

# Converting Colors

XYZ(82.6337, 91.7367,  
107.9594)

Have a look what the booklet for  
XYZ(82.6337, 91.7367, 107.9594)  
contains.

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# Color

**XYZ(82.6714, 91.7440,  
107.9588)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DEFBFF
RGB	222, 251, 255
RGB Percent	87%, 98%, 100%
CMY	0.1294, 0.0157, 0.0000
CMYK	0.13, 0.02, 0.00, 0.00
HSL	187°, 100%, 94%
HSV	187°, 13%, 100%
XYZ	82.6714, 91.7440, 107.9588
YIQ	242.7850, -18.5680, -4.9040

# Conversions

## Conversions Part 2

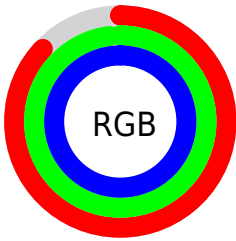
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	222, 237, 255
Decimal	14613503
CIE <sub>Lab</sub>	96.72, -8.56, -5.10
CIE <sub>LCh</sub>	97, 9.962, 210.762
Yxy	91.7440, 0.2928, 0.3249
Android (android.graphics.Color)	4292803583 (0xFFDEFBFF)
YUV	242.7850, 6.0220, -18.2284
Hunter-Lab	95.7831, -13.5552, 0.2214

# Details

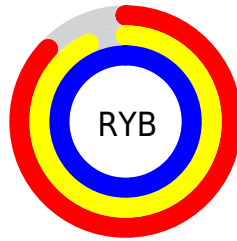
The XYZ color **82.6714, 91.7440, 107.9588** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **81.6206, 80.9251, 80.4271**, and the grayscale version is **84.9868, 89.4128, 97.3705**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.4212, 50.8763, 60.8522** is the 20% darker color. If you saturate the color by 10%, you get **74.4882, 86.1079, 107.3023**, and if you desaturate by 10%, it is **92.0563, 98.0279, 108.6771**.

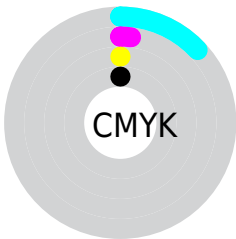
# Distribution



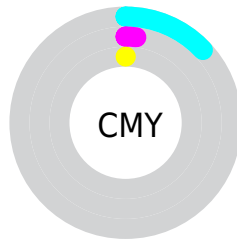
- Red (87%)
- Green (98%)
- Blue (100%)



- Red (87%)
- Yellow (93%)
- Blue (100%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (13%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6714, 91.7440, 107.9588 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 82.6714, 91.7440, 107.9588 by changing the saturation by 10% instead.



82.6714, 91.7440,  
107.9588

82.6714, 91.7440,  
107.9588

492.4912,  
533.6878, 606.8822

62.2351, 69.4280,  
82.3099

136.0461,  
149.7585, 174.1991

45.4790, 51.0604,  
61.0837

169.7151,  
186.2259, 215.6275

32.0378, 36.2567,  
43.8617

208.5258,  
228.1791, 263.1529

21.5460, 24.6325,  
30.2254

252.8435,  
276.0027, 317.1937

13.6385, 15.8035,  
19.7562

303.0335,  
330.0809, 378.1685

7.9496, 9.3852,  
12.0357

359.4613,

4.1143, 4.9933,

390.7983, 446.4958

6.6451

422.4920,  
458.5391, 522.5942

■ 1.7670, 2.2433,  
3.1661

■ 0.4977, 0.7435,  
1.1801

■ 82.6714, 91.7440,  
107.9588

■ 82.6714, 91.7440,  
107.9588

■ 74.4882, 86.1079,  
107.3023

■ 92.0563, 98.0279,  
108.6771

■ 67.4466, 81.0811,  
106.7032

95.0500, 100.0000,  
108.9000

■ 61.4919, 76.6378,  
106.1594

■ 56.5624, 72.7460,  
105.6680

■ 52.5898, 69.3704,  
105.2258

■ 49.4974, 66.4713,  
104.8292

■ 47.1967, 64.0030,  
104.4740

■ 45.5802, 61.9101,  
104.1553

■ 44.7408, 60.6016,  
103.9469

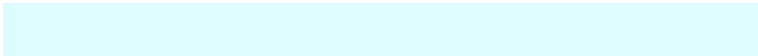
# Harmonies

## Analogous

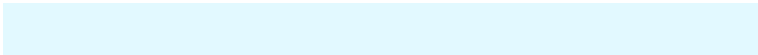
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9456, 91.7440, 100.0982



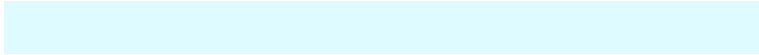
82.6714, 91.7440, 107.9588



84.6061, 91.7440, 113.9071

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6714, 91.7440, 107.9588



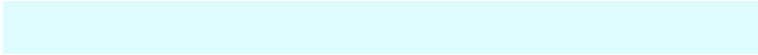
91.9648, 91.7440, 107.5864



87.1286, 91.7440, 85.3068

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



82.6714, 91.7440, 107.9588



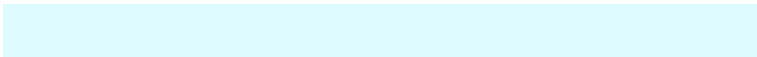
81.6206, 80.9251, 80.4271

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8462, 91.7440, 87.0793



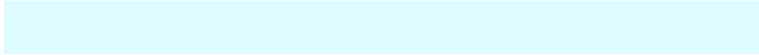
82.6714, 91.7440, 107.9588



92.6742, 91.7440, 99.6894

# Square

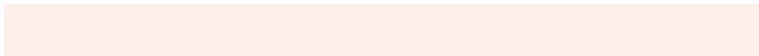
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



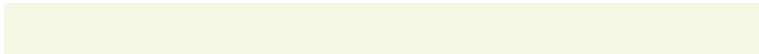
82.6714, 91.7440, 107.9588



89.9724, 91.7440, 113.6842



91.8909, 91.7440, 92.2405

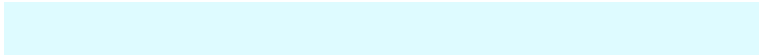


84.4850, 91.7440, 87.2660

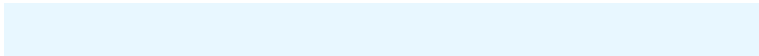


# Rectangle

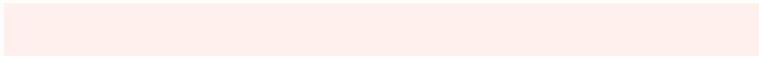
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



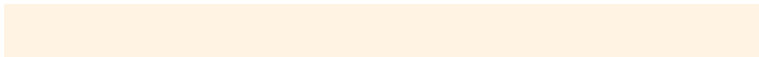
82.6714, 91.7440, 107.9588



86.3417, 91.7440, 115.8366



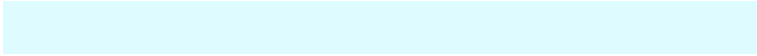
91.8909, 91.7440, 92.2405



88.0638, 91.7440, 85.4850

# Sweetspot

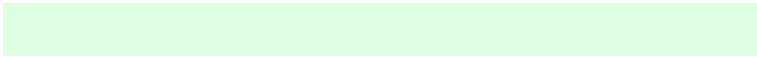
The Sweet Spot groups the original color and five complimentary colors.



82.6738, 91.7477, 107.9594



91.0038, 97.3312, 108.5981



79.5921, 92.5328, 85.5108



19.3205, 20.7280, 23.2326



0.0000, 0.0000, 0.0000

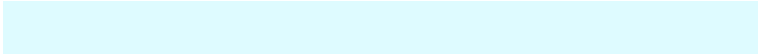


20.3446, 21.4041, 23.3091

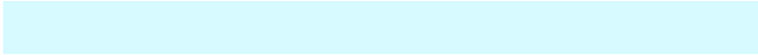


# Same Dimension

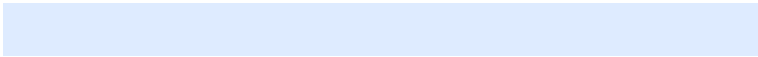
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6738, 91.7477, 107.9594



80.0445, 89.9553, 107.7521



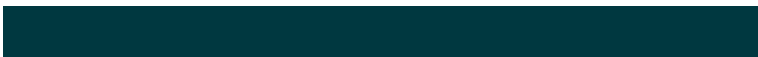
77.7835, 81.9672, 106.3294



18.3561, 20.0839, 23.1591



23.4522, 31.8141, 54.3393



2.3341, 3.1988, 5.3077



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



84.7753, 80.4692, 102.3352



82.6021, 76.3604, 100.8780



86.2818, 90.2474, 81.9808



18.6924, 18.2603, 22.2634



28.6258, 13.9396, 38.2755

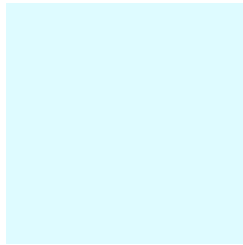


2.8127, 1.3675, 3.8613



# Previews

## White Background



This preview shows how the XYZ color 82.6714, 91.7440, 107.9588 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

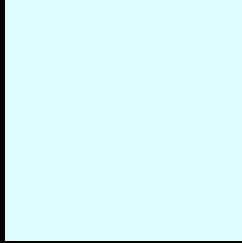
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6714, 91.7440, 107.9588 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

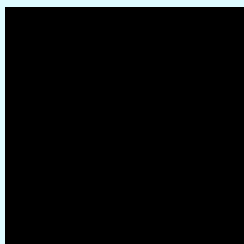
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

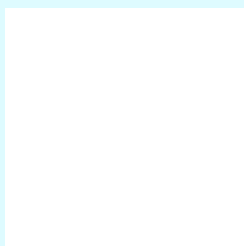
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 82.6714, 91.7440, 107.9588**

## **Background**



This preview shows how black text looks on a background with the XYZ color 82.6714, 91.7440, 107.9588.



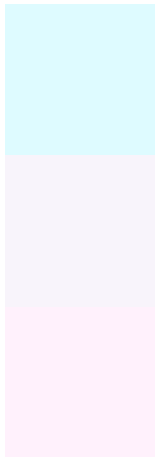
This preview shows how white text looks on a background with the XYZ color 82.6714, 91.7440,

107.9588.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

82.6714, 91.7440, 107.9588

### Protanopia

88.4747, 91.6229, 104.2887

### Deuteranopia

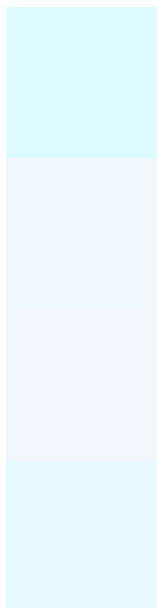
90.2660, 91.1989, 104.9411



## Tritanopia

86.2358, 91.7461, 107.7714

# Trichromacy



## Original Color

82.6714, 91.7440, 107.9588

## Protanomaly

86.4281, 91.9005, 105.2788

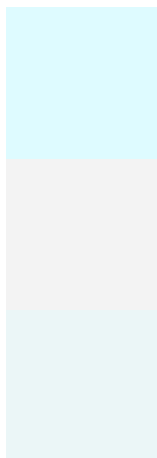
## Deuteranomaly

87.3442, 91.4514, 105.9769

## Tritanomaly

84.8961, 91.5106, 107.7966

# Monochromacy



## Original Color

82.6714, 91.7440, 107.9588

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.0052, 90.2891, 100.9957

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6714, 91.7440, 107.9588 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(222, 251, 255)` looks like.

```
.text, #text, p{  
    color:rgb(222, 251, 255)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(222, 251, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 251, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6714, 91.7440, 107.9588 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(222, 251, 255) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(222, 251, 255) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(222, 251, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 251, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 251, 255);  
box-shadow:4px 4px 4px 4px rgb(222, 251,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6714, 91.7440, 107.9588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 251, 255) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(222,  
251, 255) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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