

# Converting Colors

XYZ(82.7679, 90.8380,  
107.7789)

Have a look what the booklet for  
XYZ(82.7679, 90.8380, 107.7789)  
contains.

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# Color

**XYZ(82.6662, 90.8187,  
107.7805)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E0F9FF
RGB	224, 249, 255
RGB Percent	88%, 98%, 100%
CMY	0.1216, 0.0235, 0.0000
CMYK	0.12, 0.02, 0.00, 0.00
HSL	192°, 100%, 94%
HSV	192°, 12%, 100%
XYZ	82.6662, 90.8187, 107.7805
YIQ	242.2090, -16.8260, -3.4340

# Conversions

## Conversions Part 2

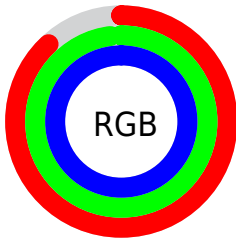
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	224, 238, 255
Decimal	14744063
CIE Lab	96.34, -6.93, -5.64
CIE LCh	96, 8.937, 219.140
Yxy	90.8187, 0.2939, 0.3229
Android (android.graphics.Color)	4292934143 (0xFFE0F9FF)
YUV	242.2090, 6.3060, -15.9693
Hunter-Lab	95.2988, -11.9346, -0.3462

# Details

The XYZ color **82.6662, 90.8187, 107.7805** is a light color, and the websafe version is hex **CCFFFF**. A complement of this color would be **82.9908, 83.2339, 82.2144**, and the grayscale version is **84.5268, 88.9288, 96.8435**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **45.6252, 50.6522, 60.7982** is the 20% darker color. If you saturate the color by 10%, you get **73.8443, 84.0401, 106.9371**, and if you desaturate by 10%, it is **92.7180, 98.2957, 108.6939**.

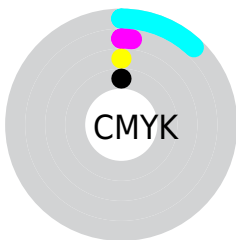
# Distribution



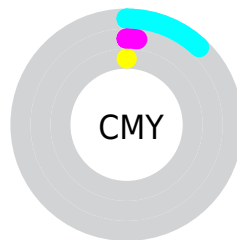
- Red (88%)
- Green (98%)
- Blue (100%)



- Red (88%)
- Yellow (93%)
- Blue (100%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)
- Black (0%)



- Cyan (12%)
- Magenta (2%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 82.6662, 90.8187, 107.7805 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 82.6662, 90.8187, 107.7805 by changing the saturation by 10% instead.



82.6662, 90.8187,  
107.7805

82.6662, 90.8187,  
107.7805

492.4742,  
530.6905, 606.3184

62.2308, 68.6599,  
82.1611

136.0388,  
148.4751, 173.9538

45.4755, 50.4348,  
60.9617

169.7067,  
184.7414, 215.3447

32.0350, 35.7590,  
43.7639

208.5162,  
226.4791, 262.8299

21.5439, 24.2481,  
30.1491

252.8325,  
274.0724, 316.8279

13.6369, 15.5178,  
19.6988

303.0212,  
327.9058, 377.7572

7.9486, 9.1836,  
11.9944

359.4474,

4.1136, 4.8611,

388.3637, 446.0363

6.6174

422.4766,  
455.8304, 522.0839

■ 1.7666, 2.1660,  
3.1492

■ 0.4974, 0.7014,  
1.1713

■ 82.6662, 90.8187,  
107.7805

■ 82.6662, 90.8187,  
107.7805

■ 73.8443, 84.0401,  
106.9371

■ 92.7180, 98.2957,  
108.6939

■ 66.1924, 77.9210,  
106.1593

95.0500, 100.0000,  
108.9000

■ 59.6559, 72.4355,  
105.4450

■ 54.1732, 67.5513,  
104.7912

■ 49.6763, 63.2329,  
104.1947

■ 46.0891, 59.4405,  
103.6518

■ 43.3240, 56.1286,  
103.1582

■ 41.2752, 53.2420,  
102.7091

■ 40.0457, 51.2115,  
102.3819

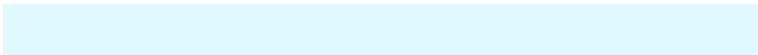
# Harmonies

## Analogous

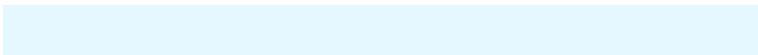
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6870, 90.8187, 101.0764



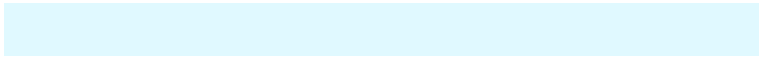
82.6662, 90.8187, 107.7805



84.6297, 90.8187, 112.2366

# Triad

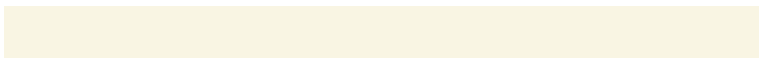
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



82.6662, 90.8187, 107.7805



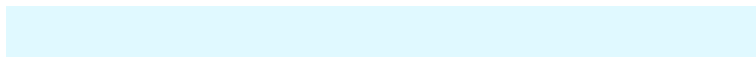
90.8642, 90.8187, 103.8409



85.5635, 90.8187, 85.9779

# Complementary

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



82.6662, 90.8187, 107.7805



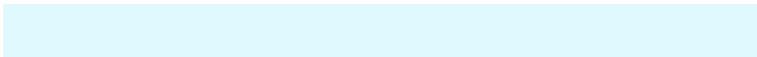
82.9908, 83.2339, 82.2144

# Split Complementary

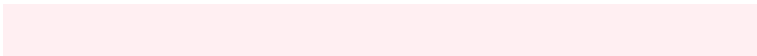
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.0336, 90.8187, 86.6386



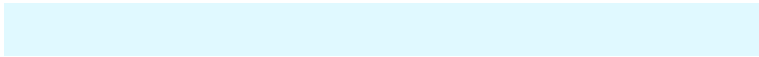
82.6662, 90.8187, 107.7805



91.1258, 90.8187, 96.7277

# Square

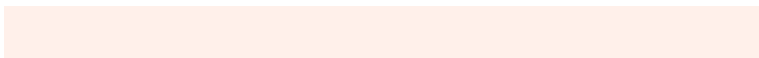
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6662, 90.8187, 107.7805



89.3727, 90.8187, 109.8874



90.0808, 90.8187, 90.4951

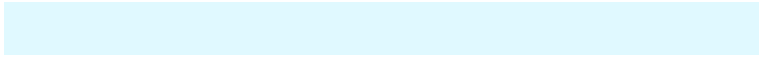


83.3385, 90.8187, 88.6448

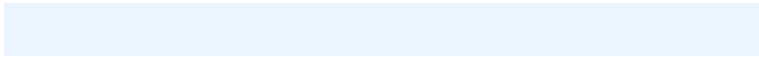


# Rectangle

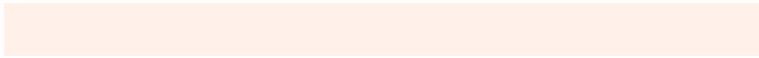
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



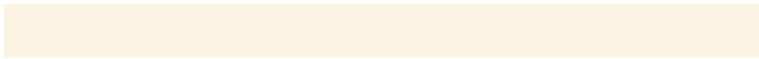
82.6662, 90.8187, 107.7805



86.2487, 90.8187, 113.2141



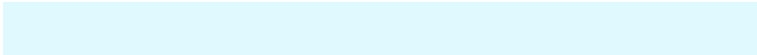
90.0808, 90.8187, 90.4951



86.3922, 90.8187, 85.8211

# Sweetspot

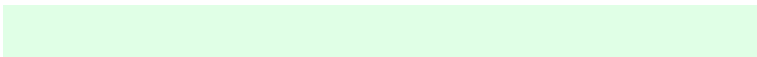
The Sweet Spot groups the original color and five complimentary colors.



82.6686, 90.8224, 107.7811



90.7704, 96.8644, 108.5203



80.7400, 93.0632, 88.3389



19.2612, 20.6095, 23.2128



0.0000, 0.0000, 0.0000

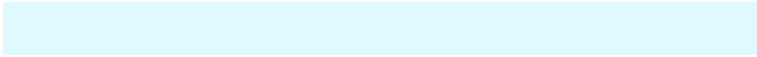


20.3446, 21.4041, 23.3091

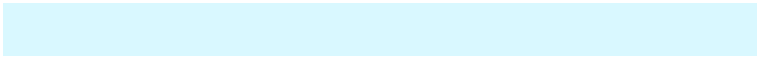


# Same Dimension

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



82.6686, 90.8224, 107.7811



80.0364, 88.8243, 107.5342



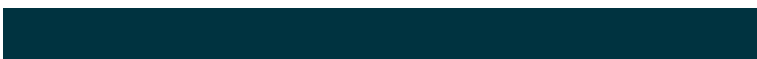
78.1623, 81.8099, 106.2790



18.2388, 19.8492, 23.1199



21.0308, 26.9712, 53.5321



2.1206, 2.7720, 5.2365



# Inverse Universe

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



84.9960, 81.4125, 100.8614



82.8702, 77.5096, 99.0774



87.4030, 92.0582, 83.6851



18.6332, 18.2366, 21.9515



27.4036, 13.4507, 31.8393

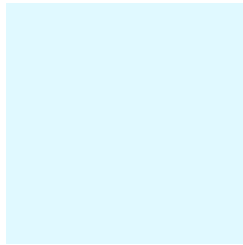


2.7050, 1.3244, 3.2940



# Previews

## White Background



This preview shows how the XYZ color 82.6662, 90.8187, 107.7805 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

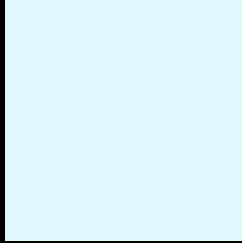
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 82.6662, 90.8187, 107.7805 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

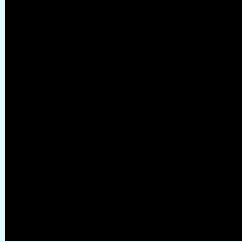
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 82.6662, 90.8187, 107.7805

## Background



This preview shows how black text looks on a background with the XYZ color 82.6662, 90.8187, 107.7805.



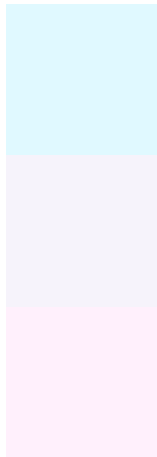
This preview shows how white text looks on a background with the XYZ color 82.6662, 90.8187,



# 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

82.6662, 90.8187, 107.7805

### Protanopia

87.4692, 90.6590, 104.1556

### Deuteranopia

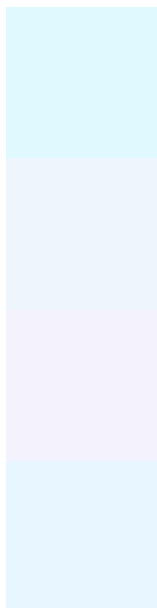
89.9708, 90.6085, 104.8427



## Tritanopia

85.5978, 90.9644, 107.6541

# Trichromacy



## Original Color

82.6662, 90.8187, 107.7805

## Protanomaly

85.4830, 90.5102, 105.0602

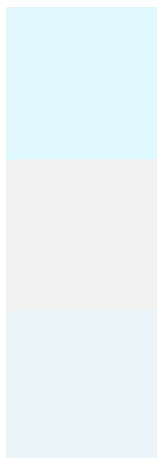
## Deuteranomaly

87.0884, 90.4261, 105.7924

## Tritanomaly

84.5895, 90.8973, 107.6943

# Monochromacy



## Original Color

82.6662, 90.8187, 107.7805

## Achromatopsia

84.3971, 88.7923, 96.6948

## Achromatomaly

83.7019, 89.6824, 100.8946

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 82.6662, 90.8187, 107.7805 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(224, 249, 255)` looks like.

```
.text, #text, p{  
    color:rgb(224, 249, 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(224, 249, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 249, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 82.6662, 90.8187, 107.7805 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(224, 249, 255) }
```



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

```
.border{ border-color:rgb(224, 249, 255) }
```

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

Here you see how a box with a 4 pixel rgb(224, 249, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 249, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 249, 255);  
box-shadow:4px 4px 4px 4px rgb(224, 249,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 82.6662, 90.8187, 107.7805 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 249, 255) }
```

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

```
.background{ background-color: rgb(224,  
249, 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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