

# Converting Colors

XYZ(84.3357, 91.2712,  
107.7799)

Have a look what the booklet for  
XYZ(84.3357, 91.2712, 107.7799)  
contains.

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# **Color**

**XYZ(84.2505, 91.1778,  
107.7663)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F8FF
RGB	230, 248, 255
RGB Percent	90%, 97%, 100%
CMY	0.0980, 0.0274, 0.0000
CMYK	0.10, 0.03, 0.00, 0.00
HSL	197°, 100%, 95%
HSV	197°, 10%, 100%
XYZ	84.2505, 91.1778, 107.7663
YIQ	243.4160, -12.9750, -1.6390

# Conversions

## Conversions Part 2

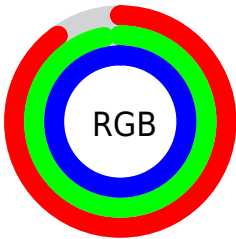
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 240, 255
Decimal	15137023
CIE Lab	96.48, -4.54, -5.38
CIE LCh	96, 7.037, 229.832
Yxy	91.1778, 0.2975, 0.3220
Android (android.graphics.Color)	4293327103 (0xFFE6F8FF)
YUV	243.4160, 5.7109, -11.7658
Hunter-Lab	95.4871, -9.6076, -0.0735

# Details

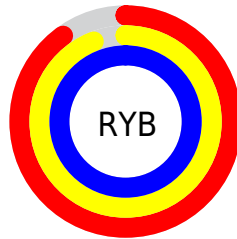
The XYZ color **84.2505, 91.1778, 107.7663** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **85.8064, 87.5396, 87.2388**, and the grayscale version is **85.4881, 89.9401, 97.9448**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.4982, 50.7752, 60.7759** is the 20% darker color. If you saturate the color by 10%, you get **74.5067, 82.9624, 106.6942**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

# Distribution



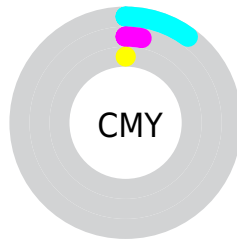
- Red (90%)
- Green (97%)
- Blue (100%)



- Red (90%)
- Yellow (94%)
- Blue (100%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)
- Black (0%)



- Cyan (10%)
- Magenta (3%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.2505, 91.1778, 107.7663 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 84.2505, 91.1778, 107.7663 by changing the saturation by 10% instead.



84.2505, 91.1778,  
107.7663

84.2505, 91.1778,  
107.7663

497.6658,  
531.8548, 606.2735

63.5427, 68.9579,  
82.1492

138.2450,  
148.9733, 173.9342

46.5407, 50.6774,  
60.9520

172.2624,  
185.3178, 215.3222

32.8791, 35.9520,  
43.7561

211.4470,  
227.1392, 262.8042

22.1926, 24.3971,  
30.1431

256.1641,  
274.8220, 316.7987

14.1159, 15.6285,  
19.6942

306.7793,  
328.7506, 377.7244

8.2836, 9.2616,  
11.9911

363.6577,

4.3303, 4.9122,

389.3093, 445.9997

6.6152

427.1647,  
456.8826, 522.0432

■ 1.8906, 2.1959,  
3.1478

■ 0.5714, 0.7177,  
1.1706

■ 84.2505, 91.1778,  
107.7663

■ 84.2505, 91.1778,  
107.7663

■ 74.5067, 82.9624,  
106.6942

95.0500, 100.0000,  
108.9000

■ 65.9885, 75.4991,  
105.7026

■ 58.6418, 68.7612,  
104.7892

■ 52.4056, 62.7157,  
103.9510

■ 47.2128, 57.3267,  
103.1845

■ 42.9889, 52.5542,  
102.4860

■ 39.6487, 48.3529,  
101.8511

■ 37.0907, 44.6689,  
101.2748

■ 35.1534, 41.4174,  
100.7493

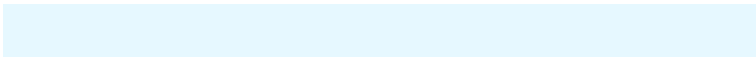
# Harmonies

## Analogous

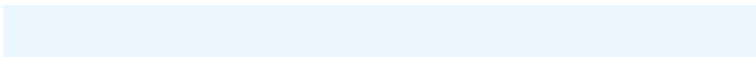
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.1604, 91.1778, 102.9888



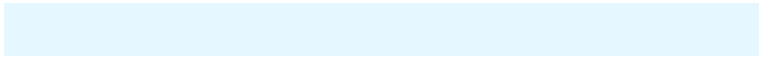
84.2505, 91.1778, 107.7663



85.9973, 91.1778, 110.2986

# Triad

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



84.2505, 91.1778, 107.7663



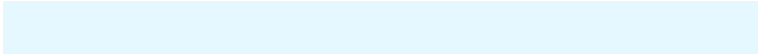
90.4292, 91.1778, 101.1972



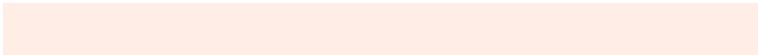
85.3879, 91.1778, 89.4543

# Complementary

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



84.2505, 91.1778, 107.7663



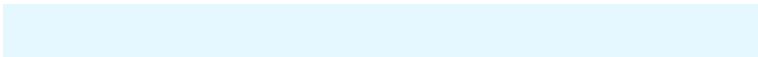
85.8064, 87.5396, 87.2388

# Split Complementary

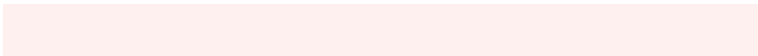
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3296, 91.1778, 89.0154



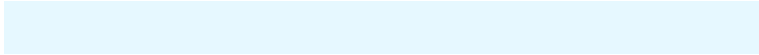
84.2505, 91.1778, 107.7663



90.2601, 91.1778, 95.6557

# Square

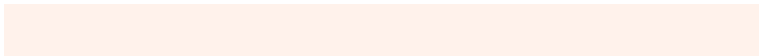
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.2505, 91.1778, 107.7663



89.5773, 91.1778, 106.4123



89.1186, 91.1778, 91.2459

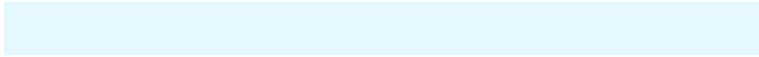


83.8101, 91.1778, 92.4683



# Rectangle

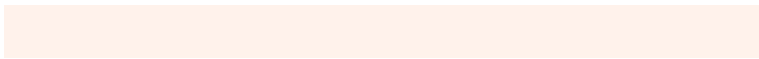
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.2505, 91.1778, 107.7663



87.3077, 91.1778, 110.3104



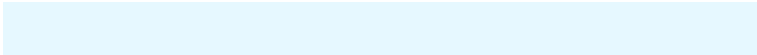
89.1186, 91.1778, 91.2459



86.0190, 91.1778, 89.0052

# Sweetspot

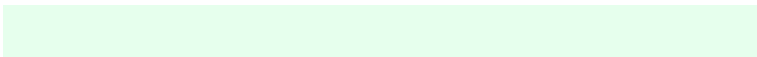
The Sweet Spot groups the original color and five complimentary colors.



84.2529, 91.1815, 107.7669



91.6123, 97.2197, 108.5445



83.6314, 94.4384, 93.6874



19.4164, 20.6526, 23.2129



0.0000, 0.0000, 0.0000

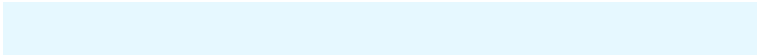


20.3446, 21.4041, 23.3091

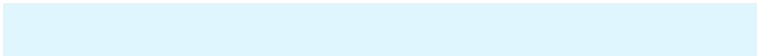


# Same Dimension

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



84.2529, 91.1815, 107.7669



82.0038, 89.3096, 107.5242



80.6317, 83.9392, 106.5599



18.1000, 19.5717, 23.0737



18.4824, 21.8744, 52.6826



1.8919, 2.3145, 5.1603



# Inverse Universe

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



86.4815, 84.6324, 100.5890



84.7052, 81.4673, 98.8020



89.4506, 94.8280, 88.4535



18.5631, 18.2086, 21.5826



26.1173, 12.9362, 25.0657

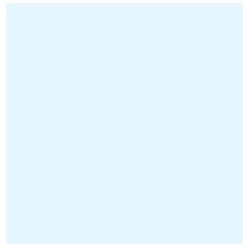


2.5896, 1.2782, 2.6860



# Previews

## White Background



This preview shows how the XYZ color 84.2505, 91.1778, 107.7663 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

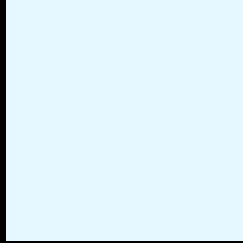
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 84.2505, 91.1778, 107.7663 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

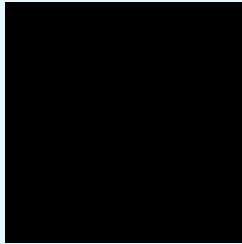
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

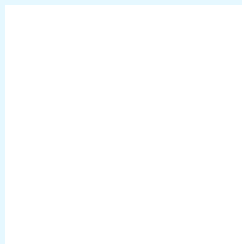
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 84.2505, 91.1778, 107.7663

## Background



This preview shows how black text looks on a background with the XYZ color 84.2505, 91.1778, 107.7663.



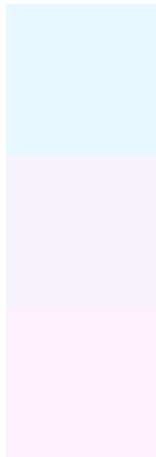
This preview shows how white text looks on a background with the XYZ color 84.2505, 91.1778,

107.7663.

# 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

84.2505, 91.1778, 107.7663

### Protanopia

87.9791, 90.9036, 105.0046

### Deuteranopia

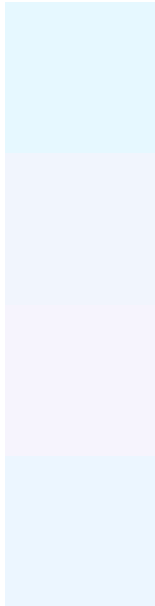
90.2660, 91.1989, 104.9411



## Tritanopia

86.2990, 90.8755, 107.6000

# Trichromacy



## Original Color

84.2505, 91.1778, 107.7663

## Protanomaly

86.6577, 91.0974, 105.9447

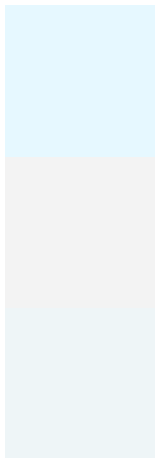
## Deuteranomaly

88.0863, 91.3860, 105.9251

## Tritanomaly

85.5978, 90.9644, 107.6541

# Monochromacy



## Original Color

84.2505, 91.1778, 107.7663

## Achromatopsia

85.1904, 89.6269, 97.6037

## Achromatomaly

84.7008, 90.1974, 100.9413

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.2505, 91.1778, 107.7663 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(230, 248, 255)` looks like.

```
.text, #text, p{  
    color:rgb(230, 248, 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(230, 248, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 248, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.2505, 91.1778, 107.7663 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(230, 248, 255) }
```



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

```
.border{ border-color:rgb(230, 248, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 248, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 248, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 248, 255);  
box-shadow:4px 4px 4px 4px rgb(230, 248,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.2505, 91.1778, 107.7663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 248, 255) }
```

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

```
.background{ background-color: rgb(230,  
248, 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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