

# Converting Colors

XYZ(85.0875, 87.6183,  
107.9696)

Have a look what the booklet for  
XYZ(85.0875, 87.6183, 107.9696)  
contains.

<b>XYZ(84.8517, 87.4783, 107.0206)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# **Color**

**XYZ(84.8517, 87.4783,  
107.0206)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0EFFF
RGB	240, 239, 255
RGB Percent	94%, 94%, 100%
CMY	0.0588, 0.0627, 0.0000
CMYK	0.06, 0.06, 0.00, 0.00
HSL	244°, 100%, 97%
HSV	244°, 6%, 100%
XYZ	84.8517, 87.4783, 107.0206
YIQ	241.1230, -4.5400, 5.1880

# Conversions

## Conversions Part 2

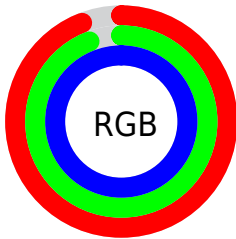
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	240, 239, 255
Decimal	15790079
CIE Lab	94.94, 3.25, -7.58
CIE LCh	95, 8.243, 293.212
Yxy	87.4783, 0.3037, 0.3131
Android (android.graphics.Color)	4293980159 (0xFFFF0EFFF)
YUV	241.1230, 6.8414, -0.9849
Hunter-Lab	93.5298, -1.7393, -2.3711

# Details

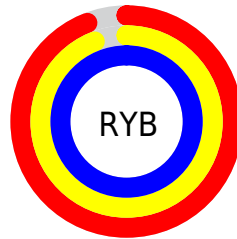
The XYZ color **84.8517, 87.4783, 107.0206** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **92.2152, 98.8239, 95.8804**, and the grayscale version is **83.6584, 88.0152, 95.8485**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.8937, 48.1345, 60.2454** is the 20% darker color. If you saturate the color by 10%, you get **70.3172, 69.6760, 104.3504**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

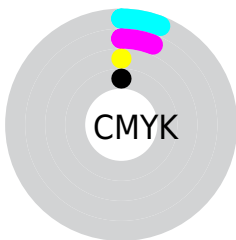
# Distribution



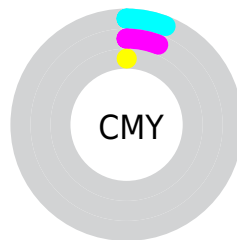
- Red (94%)
- Green (94%)
- Blue (100%)



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



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (6%)
- Magenta (6%)
- Yellow (0%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 84.8517, 87.4783, 107.0206 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 84.8517, 87.4783, 107.0206 by changing the saturation by 10% instead.



84.8517, 87.4783,  
107.0206

84.8517, 87.4783,  
107.0206

499.6283,  
519.7933, 603.9123

64.0409, 65.8911,  
81.5271

139.0811,  
143.8306, 172.9079

46.9456, 48.1840,  
60.4423

173.2304,  
179.3645, 214.1387

33.2004, 33.9726,  
43.3476

212.5566,  
220.3161, 261.4523

22.4400, 22.8726,  
29.8245

257.4250,  
267.0698, 315.2674

14.2990, 14.4994,  
19.4545

308.2010,  
320.0100, 376.0024

8.4120, 8.4688,  
11.8190

365.2500,

4.4137, 4.3964,

379.5210, 444.0758

6.4995

428.9373,  
445.9873, 519.9063

■ 1.9387, 1.8977,  
3.0775

■ 0.5992, 0.5470,  
1.1343

■ 84.8517, 87.4783,  
107.0206

■ 84.8517, 87.4783,  
107.0206

■ 70.3172, 69.6760,  
104.3504

95.0500, 100.0000,  
108.9000

■ 57.8179, 54.4187,  
102.0643

■ 47.2650, 41.5934,  
100.1449

■ 38.5603, 31.0743,  
98.5733

■ 31.5972, 22.7244,  
97.3286

■ 26.2583, 16.3923,  
96.3878

■ 22.4115, 11.9066,  
95.7247

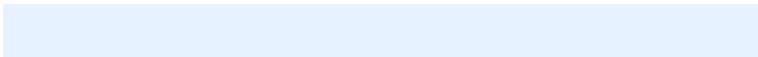
■ 19.9038, 9.0682,  
95.3090

■ 18.5491, 7.6305,  
95.1029

# Harmonies

## Analogous

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



82.6383, 87.4783, 108.0076



84.8517, 87.4783, 107.0206



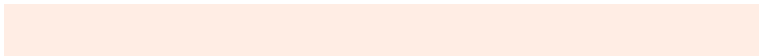
86.6367, 87.4783, 102.8155

# Triad

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



84.8517, 87.4783, 107.0206



85.7471, 87.4783, 85.7236



78.9485, 87.4783, 93.8008

# Complementary

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



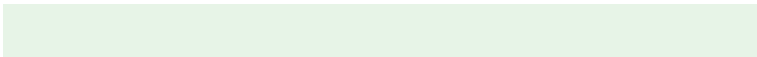
84.8517, 87.4783, 107.0206



92.2152, 98.8239, 95.8804

# Split Complementary

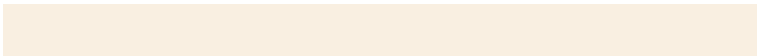
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7493, 87.4783, 88.0632



84.8517, 87.4783, 107.0206



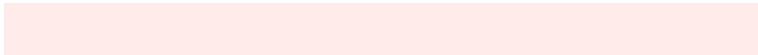
83.6548, 87.4783, 83.5369

# Square

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



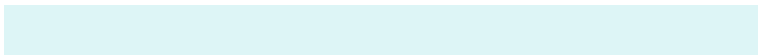
84.8517, 87.4783, 107.0206



87.1602, 87.4783, 90.4776



81.4623, 87.4783, 84.3739



79.2561, 87.4783, 100.1853



# Rectangle

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



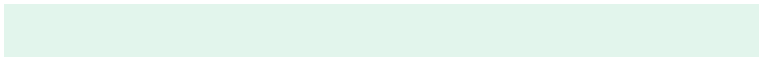
84.8517, 87.4783, 107.0206



87.3303, 87.4783, 98.8503



81.4623, 87.4783, 84.3739



79.0966, 87.4783, 91.7363

# Sweetspot

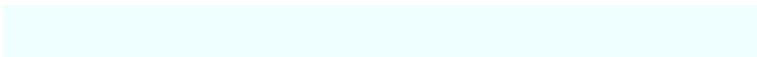
The Sweet Spot groups the original color and five complimentary colors.



84.8540, 87.4819, 107.0212



91.7069, 95.8933, 108.2835



89.1539, 96.5825, 108.5511



19.6641, 20.5681, 23.1836



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.



84.8540, 87.4819, 107.0212



82.1931, 84.2186, 106.5315



87.5596, 88.8767, 107.1478



17.1077, 17.4317, 22.7129



9.5819, 3.8501, 49.6727



0.9680, 0.3930, 4.8381



# Inverse Universe

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



89.9981, 90.1523, 106.4268



88.6800, 87.5863, 105.7707



89.4181, 97.3819, 95.7495



18.7409, 18.2797, 22.5189



29.7196, 14.3771, 44.0354

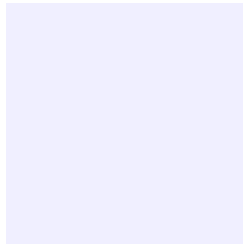


2.9079, 1.4055, 4.3624



# Previews

## White Background



This preview shows how the XYZ color 84.8517, 87.4783, 107.0206 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 84.8517, 87.4783, 107.0206 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

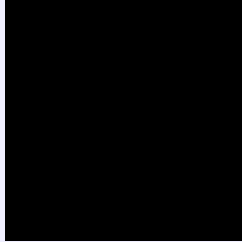
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 84.8517, 87.4783, 107.0206**

## **Background**



This preview shows how black text looks on a background with the XYZ color 84.8517, 87.4783, 107.0206.



This preview shows how white text looks on a background with the XYZ color 84.8517, 87.4783,



# 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

84.8517, 87.4783, 107.0206

### Protanopia

84.8517, 87.4783, 107.0206

### Deuteranopia

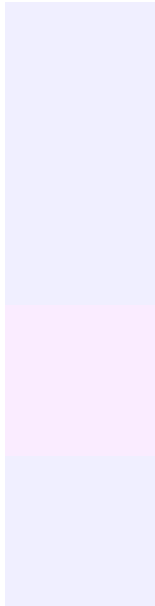
88.7128, 87.3256, 106.7876



## Tritanopia

84.8517, 87.4783, 107.0206

# Trichromacy



## Original Color

84.8517, 87.4783, 107.0206

## Protanomaly

84.8517, 87.4783, 107.0206

## Deuteranomaly

87.4698, 87.5349, 106.8935

## Tritanomaly

84.8517, 87.4783, 107.0206

# Monochromacy



## Original Color

84.8517, 87.4783, 107.0206

## Achromatopsia

83.6081, 87.9622, 95.7909

## Achromatomaly

84.0703, 87.6748, 99.6807

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 84.8517, 87.4783, 107.0206 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(240, 239, 255) looks like.

```
.text, #text, p{  
    color:rgb(240, 239, 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(240, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 239, 255) }
```

## Border

The CSS property to change the border of an element to XYZ 84.8517, 87.4783, 107.0206 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(240, 239, 255) }
```



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

```
.border{ border-color:rgb(240, 239, 255) }
```

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

Here you see how a box with a 4 pixel rgb(240, 239, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(240, 239,  
255) }
```

# Background

The CSS property to change the background color of an element to XYZ 84.8517, 87.4783, 107.0206 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 239, 255) }
```

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

```
.background{ background-color: rgb(240,  
239, 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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