

Converting Colors

XYZ(84.1039, 87.4079,
107.0464)

Have a look what the booklet for
XYZ(84.1039, 87.4079, 107.0464)
contains.

XYZ(84.1351, 87.5447, 107.0712)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(84.1351, 87.5447,
107.0712)**

Conversions

Conversions Part 1

Format	Color
Hex	EDF0FF
RGB	237, 240, 255
RGB Percent	93%, 94%, 100%
CMY	0.0706, 0.0588, 0.0000
CMYK	0.07, 0.06, 0.00, 0.00
HSL	230°, 100%, 96%
HSV	230°, 7%, 100%
XYZ	84.1351, 87.5447, 107.0712
YIQ	240.8130, -6.6030, 4.0290

Conversions

Conversions Part 2

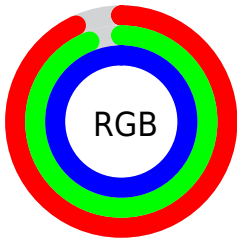
Format	Color
R _Y B	237, 240, 255
Decimal	15593727
CIE Lab	94.97, 1.77, -7.56
CIE LCh	95, 7.763, 283.170
Yxy	87.5447, 0.3018, 0.3141
Android (android.graphics.Color)	4293783807 (0xFFEDF0FF)
YUV	240.8130, 6.9942, -3.3440
Hunter-Lab	93.5653, -3.2299, -2.3526

Details

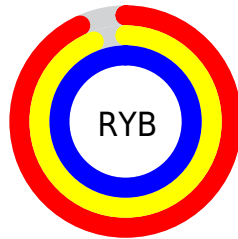
The XYZ color **84.1351, 87.5447, 107.0712** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.3355, 96.9930, 94.0298**, and the grayscale version is **83.4146, 87.7586, 95.5691**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **46.3896, 48.1820, 60.2811** is the 20% darker color. If you saturate the color by 10%, you get **70.3273, 71.6817, 104.7371**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

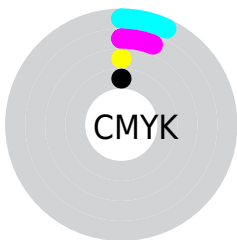
Distribution



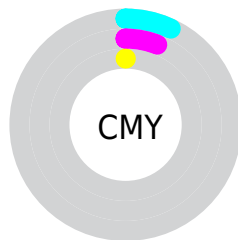
- Red (93%)
- Green (94%)
- Blue (100%)



- Red (93%)
- Yellow (94%)
- Blue (100%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)



- Cyan (7%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 84.1351, 87.5447, 107.0712 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 84.1351, 87.5447, 107.0712 by changing the saturation by 10% instead.

84.1351, 87.5447,
107.0712

84.1351, 87.5447,
107.0712

497.2887,
520.0111, 604.0727

63.4471, 65.9461,
81.5693

138.0844,
143.9231, 172.9775

46.4630, 48.2286,
60.4768

172.0764,
179.4717, 214.2190

32.8175, 34.0080,
43.3753

211.2338,
220.4390, 261.5441

22.1452, 22.8997,
29.8461

255.9219,
267.2095, 315.3714

14.0809, 14.5195,
19.4707

306.5061,
320.1676, 376.1193

8.2590, 8.4828,
11.8307

363.3517,

4.3143, 4.4054,

379.6976, 444.2065

6.5073

426.8241,
446.1840, 520.0514

■ 1.8814, 1.9028,
3.0822

■ 0.5660, 0.5501,
1.1368

■ 84.1351, 87.5447,
107.0712

■ 84.1351, 87.5447,
107.0712

■ 70.3273, 71.6817,
104.7371

95.0500, 100.0000,
108.9000

■ 58.3840, 57.8271,
102.6923

■ 48.2266, 45.9032,
100.9261

■ 39.7681, 35.8233,
99.4263

■ 32.9139, 27.4938,
98.1798

■ 27.5603, 20.8128,
97.1724

■ 23.5907, 15.6675,
96.3885

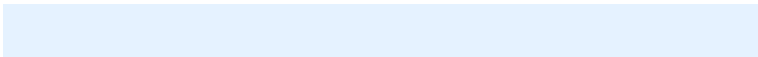
■ 20.8707, 11.9301,
95.8105

■ 19.2342, 9.4490,
95.4178

Harmonies

Analogous

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



82.0411, 87.5447, 106.8641



84.1351, 87.5447, 107.0712



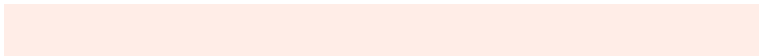
86.0113, 87.5447, 104.0365

Triad

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



84.1351, 87.5447, 107.0712



86.1985, 87.5447, 87.6013



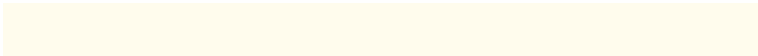
79.3907, 87.5447, 92.0012

Complementary

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



84.1351, 87.5447, 107.0712



91.3355, 96.9930, 94.0298

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.



80.4675, 87.5447, 87.1070



84.1351, 87.5447, 107.0712



84.3871, 87.5447, 84.6411

Square

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



84.1351, 87.5447, 107.0712



87.2161, 87.5447, 92.7021



82.2889, 87.5447, 84.4641



79.3258, 87.5447, 97.9894

Rectangle

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



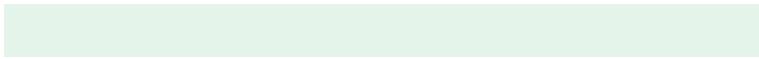
84.1351, 87.5447, 107.0712



86.8765, 87.5447, 100.6547



82.2889, 87.5447, 84.4641



79.6455, 87.5447, 90.1797

Sweetspot

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



84.1374, 87.5483, 107.0717



91.8580, 96.3645, 108.3665



88.2089, 96.5341, 105.8305



19.6948, 20.6641, 23.2005



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.



84.1374, 87.5483, 107.0717



82.7549, 85.9659, 106.8392



85.1938, 86.7910, 106.8699



17.2479, 17.8674, 22.7896



9.9458, 4.8012, 49.8371



1.0339, 0.5985, 4.8743

Inverse Universe

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



87.2537, 88.1210, 94.8527



86.2672, 86.6212, 93.0653



90.2205, 97.8295, 94.2500



18.1330, 18.0365, 19.3177



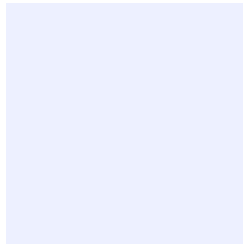
21.8084, 11.2126, 2.3755



2.1565, 1.1050, 0.4054

Previews

White Background



This preview shows how the XYZ color 84.1351, 87.5447, 107.0712 looks on a white background.

Color Contrast Check

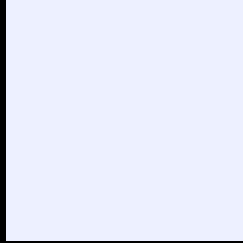
Large Text (above 18pt) WCAG AA × Fail

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 84.1351, 87.5447, 107.0712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

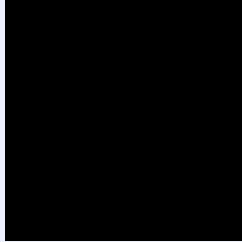
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 84.1351, 87.5447, 107.0712

Background



This preview shows how black text looks on a background with the XYZ color 84.1351, 87.5447, 107.0712.



This preview shows how white text looks on a background with the XYZ color 84.1351, 87.5447,

107.0712.

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

84.1351, 87.5447, 107.0712

Protanopia

85.0315, 87.5895, 106.1908

Deuteranopia

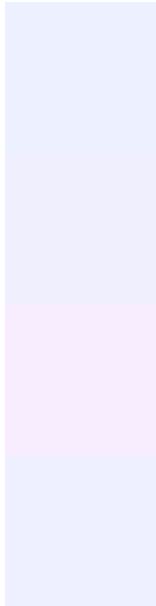
88.7128, 87.3256, 106.7876



Tritanopia

84.4700, 87.7173, 107.0868

Trichromacy



Original Color

84.1351, 87.5447, 107.0712

Protanomaly

84.6911, 87.4140, 106.1748

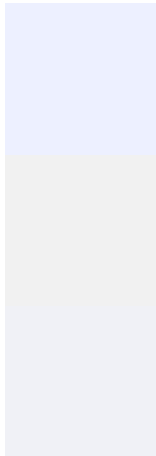
Deuteranomaly

86.7569, 87.1674, 106.8601

Tritanomaly

84.4700, 87.7173, 107.0868

Monochromacy



Original Color

84.1351, 87.5447, 107.0712

Achromatopsia

83.6081, 87.9622, 95.7909

Achromatomaly

84.0250, 88.0897, 99.7632

CSS Examples

Text

The CSS property to change the color of the text to XYZ 84.1351, 87.5447, 107.0712 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(237, 240, 255)` looks like.

```
.text, #text, p{  
    color:rgb(237, 240, 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(237, 240, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 240, 255) }
```

Border

The CSS property to change the border of an element to XYZ 84.1351, 87.5447, 107.0712 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(237, 240, 255) }
```


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

```
.border{ border-color:rgb(237, 240, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 240, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 240, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 240, 255);  
box-shadow:4px 4px 4px 4px rgb(237, 240,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 84.1351, 87.5447, 107.0712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 240, 255) }
```

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

```
.background{ background-color: rgb(237,  
240, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor