

Converting Colors

XYZ(86.3182, 87.8967,
113.7017)

Have a look what the booklet for
XYZ(86.3182, 87.8967, 113.7017)
contains.

XYZ(85.1921, 87.6538, 107.0365)	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(85.1921, 87.6538,
107.0365)**

Conversions

Conversions Part 1

Format	Color
Hex	F1EFFF
RGB	241, 239, 255
RGB Percent	95%, 94%, 100%
CMY	0.0549, 0.0627, 0.0000
CMYK	0.05, 0.06, 0.00, 0.00
HSL	247°, 100%, 97%
HSV	247°, 6%, 100%
XYZ	85.1921, 87.6538, 107.0365
YIQ	241.4220, -3.9440, 5.4000

Conversions

Conversions Part 2

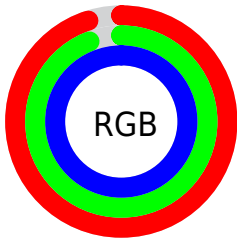
Format	Color
R _Y B	241, 239, 255
Decimal	15855615
CIE Lab	95.01, 3.57, -7.46
CIE LCh	95, 8.269, 295.594
Yxy	87.6538, 0.3044, 0.3132
Android (android.graphics.Color)	4294045695 (0xFFFF1EFFF)
YUV	241.4220, 6.6940, -0.3701
Hunter-Lab	93.6236, -1.4166, -2.2476

Details

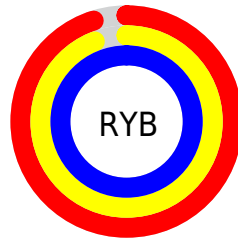
The XYZ color **85.1921, 87.6538, 107.0365** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **91.8503, 98.6357, 95.8633**, and the grayscale version is **83.8947, 88.2638, 96.1192**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1341, 48.2585, 60.2567** is the 20% darker color. If you saturate the color by 10%, you get **71.0901, 70.0744, 104.3866**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

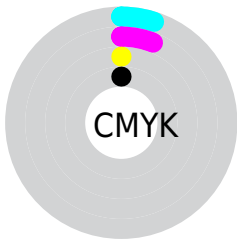
Distribution



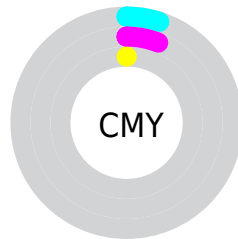
- Red (95%)
- Green (94%)
- Blue (100%)



- Red (95%)
- Yellow (94%)
- Blue (100%)



- Cyan (5%)
- Magenta (6%)
- Yellow (0%)
- Black (0%)





- Cyan (5%)
- Magenta (6%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.1921, 87.6538, 107.0365 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 85.1921, 87.6538, 107.0365 by changing the saturation by 10% instead.


 85.1921, 87.6538,
107.0365

 85.1921, 87.6538,
107.0365


500.7376,
520.3688, 603.9627

 64.3231, 66.0364,
81.5403


139.5542,
144.0751, 172.9297

 47.1751, 48.3019,
60.4531


173.7780,
179.6477, 214.1639

 33.3826, 34.0661,
43.3563


213.1842,
220.6409, 261.4812

 22.5804, 22.9444,
29.8313

258.1381,
267.4391, 315.3001

 14.4029, 14.5524,
19.4596

309.0050,
320.4265, 376.0391

 8.4850, 8.5059,
11.8227

366.1503,

 4.4612, 4.4203,

379.9877, 444.1169

6.5020

429.9394,
446.5070, 519.9519

■ 1.9662, 1.9114,
3.0790

■ 0.6149, 0.5552,
1.1351

■ 85.1921, 87.6538,
107.0365

■ 85.1921, 87.6538,
107.0365

■ 71.0901, 70.0744,
104.3866

95.0500, 100.0000,
108.9000

■ 58.8948, 54.9738,
102.1147

■ 48.5260, 42.2435,
100.2039

■ 39.8951, 31.7624,
98.6358

■ 32.9060, 23.3991,
97.3899

■ 27.4532, 17.0082,
96.4437

■ 23.4187, 12.4259,
95.7719

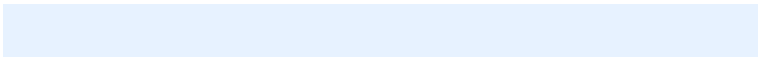
■ 20.6668, 9.4615,
95.3447

■ 19.0338, 7.8803,
95.1256

Harmonies

Analogous

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



82.9809, 87.6538, 108.3122



85.1921, 87.6538, 107.0365



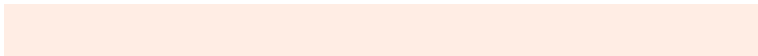
86.9269, 87.6538, 102.6018

Triad

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



85.1921, 87.6538, 107.0365



85.7768, 87.6538, 85.5938



79.0797, 87.6538, 94.4929

Complementary

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



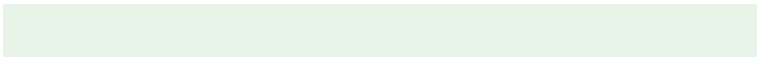
85.1921, 87.6538, 107.0365



91.8503, 98.6357, 95.8633

Split Complementary

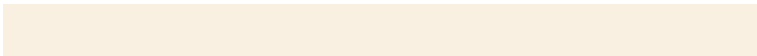
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



79.7993, 87.6538, 88.6197



85.1921, 87.6538, 107.0365



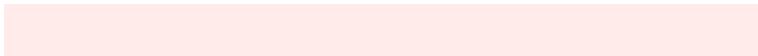
83.6446, 87.6538, 83.6305

Square

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



85.1921, 87.6538, 107.0365



87.2687, 87.6538, 90.1956



81.4604, 87.6538, 84.7130



79.4773, 87.6538, 100.8840

Rectangle

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



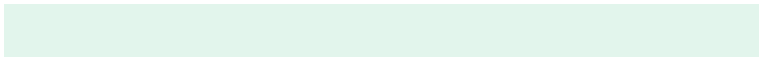
85.1921, 87.6538, 107.0365



87.5661, 87.6538, 98.5508



81.4604, 87.6538, 84.7130



79.1986, 87.6538, 92.3955

Sweetspot

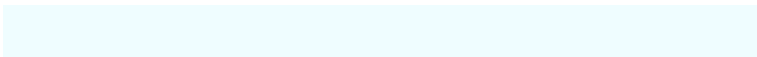
The Sweet Spot groups the original color and five complimentary colors.



85.1944, 87.6574, 107.0371



91.8214, 95.9523, 108.2889



88.8161, 95.9069, 108.4385



19.6874, 20.5801, 23.1847



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.



85.1944, 87.6574, 107.0371



82.6177, 84.4375, 106.5514



87.9384, 89.0720, 107.1655



17.2136, 17.4863, 22.7179



9.8051, 3.9652, 49.6832



1.0179, 0.4187, 4.8404

Inverse Universe

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



89.8384, 90.0884, 105.5856



88.4767, 87.5050, 104.7001



89.0448, 97.1894, 95.7320



18.6893, 18.2590, 22.2471



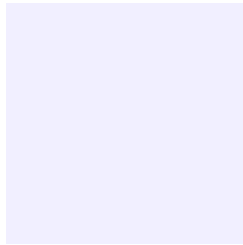
28.5592, 13.9130, 37.9250



2.8069, 1.3651, 3.8306

Previews

White Background



This preview shows how the XYZ color 85.1921, 87.6538, 107.0365 looks on a white background.

Color Contrast Check

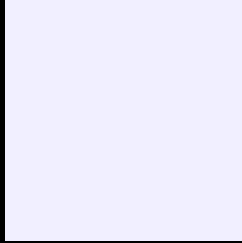
Large Text (above 18pt) WCAG AA × Fail

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 85.1921, 87.6538, 107.0365 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

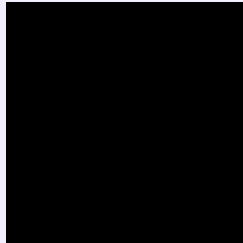
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.1921, 87.6538, 107.0365

Background



This preview shows how black text looks on a background with the XYZ color 85.1921, 87.6538, 107.0365.



This preview shows how white text looks on a background with the XYZ color 85.1921, 87.6538,

107.0865.

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

85.1921, 87.6538, 107.0365

Protanopia

85.1921, 87.6538, 107.0365

Deuteranopia

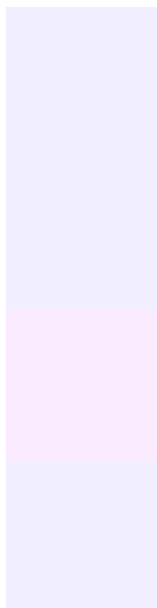
88.5522, 87.2614, 105.9419



Tritanopia

85.1921, 87.6538, 107.0365

Trichromacy



Original Color

85.1921, 87.6538, 107.0365

Protanomaly

85.1921, 87.6538, 107.0365

Deuteranomaly

87.3092, 87.4707, 106.0478

Tritanomaly

85.1921, 87.6538, 107.0365

Monochromacy



Original Color

85.1921, 87.6538, 107.0365

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 85.1921, 87.6538, 107.0365 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(241, 239, 255)` looks like.

```
.text, #text, p{  
    color:rgb(241, 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(241, 239, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 239, 255) }
```

Border

The CSS property to change the border of an element to XYZ 85.1921, 87.6538, 107.0365 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(241, 239, 255) }
```


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

```
.border{ border-color:rgb(241, 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(241, 239, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 239, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 239, 255);  
box-shadow:4px 4px 4px 4px rgb(241, 239,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1921, 87.6538, 107.0365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 239, 255) }
```

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

```
.background{ background-color: rgb(241,  
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](#).

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