

Converting Colors

XYZ(85.4542, 86.0607,
105.8017)

Have a look what the booklet for
XYZ(85.4542, 86.0607, 105.8017)
contains.

XYZ(85.6038, 86.1652, 105.8857)	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(85.6038, 86.1652,
105.8857)**

Conversions

Conversions Part 1

Format	Color
Hex	F6EBFE
RGB	246, 235, 254
RGB Percent	96%, 92%, 100%
CMY	0.0353, 0.0784, 0.0039
CMYK	0.03, 0.07, 0.00, 0.00
HSL	275°, 90%, 96%
HSV	275°, 7%, 100%
XYZ	85.6038, 86.1652, 105.8857
YIQ	240.4550, 0.4570, 8.2410

Conversions

Conversions Part 2

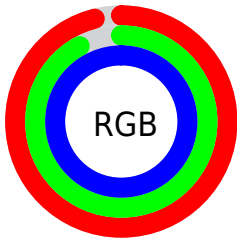
Format	Color
R_{YB}	246, 235, 254
Decimal	16182270
CIE Lab	94.38, 7.07, -7.83
CIE LCh	94, 10.553, 312.079
Yxy	86.1652, 0.3083, 0.3103
Android (android.graphics.Color)	4294372350 (0xFFFF6EBFE)
YUV	240.4550, 6.6777, 4.8630
Hunter-Lab	92.8252, 2.1693, -2.6544

Details

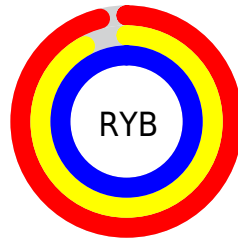
The XYZ color **85.6038, 86.1652, 105.8857** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **87.4024, 95.9387, 92.5129**, and the grayscale version is **83.1321, 87.4615, 95.2455**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.4333, 47.2186, 59.4374** is the 20% darker color. If you saturate the color by 10%, you get **75.2009, 70.7687, 103.4635**, and if you desaturate by 10%, it is **94.8896, 99.9359, 108.0556**.

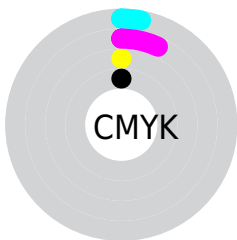
Distribution



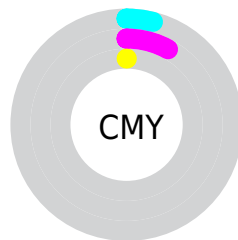
- Red (96%)
- Green (92%)
- Blue (100%)



- Red (96%)
- Yellow (92%)
- Blue (100%)



- Cyan (3%)
- Magenta (7%)
- Yellow (0%)
- Black (0%)





- Cyan (4%)
- Magenta (8%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 85.6038, 86.1652, 105.8857 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 85.6038, 86.1652, 105.8857 by changing the saturation by 10% instead.


 85.6038, 86.1652,
105.8857

 85.6038, 86.1652,
105.8857


502.0775,
515.4758, 600.3095

 64.6646, 64.8046,
80.5808


140.1261,
142.0000, 171.3444

 47.4528, 47.3026,
59.6674


174.4400,
177.2430, 212.3353

 33.6032, 33.2750,
42.7271

213.9427,
217.8822, 259.3918

 22.7504, 22.3372,
29.3412

258.9997,
264.3021, 312.9327

 14.5290, 14.1049,
19.0913

309.9763,
316.8869, 373.3763

 8.5736, 8.1936,
11.5588

367.2380,

 4.5190, 4.2191,

376.0213, 441.1413

6.3251

431.1499,
442.0894, 516.6462

■ 1.9997, 1.7969,
2.9718

■ 0.6338, 0.4852,
1.0803

■ 85.6038, 86.1652,
105.8857

■ 85.6038, 86.1652,
105.8857

■ 75.2009, 70.7687,
103.4635

94.8896, 99.9359,
108.0556

■ 66.0024, 57.4670,
101.3808

■ 57.9604, 46.1682,
99.6238

■ 51.0203, 36.7689,
98.1753

■ 45.1228, 29.1564,
97.0168

■ 40.2025, 23.2056,
96.1275

■ 36.1852, 18.7746,
95.4839

■ 32.9844, 15.6964,
95.0585

■ 30.4880, 13.7537,
94.8151

Harmonies

Analogous

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



83.0430, 86.1652, 109.9223



85.6038, 86.1652, 105.8857



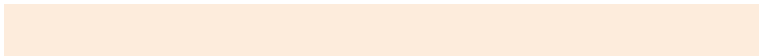
87.1924, 86.1652, 98.7037

Triad

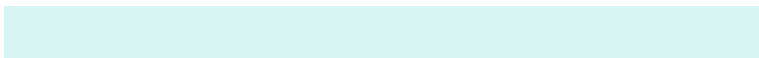
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



85.6038, 86.1652, 105.8857



83.5857, 86.1652, 79.7399



76.6836, 86.1652, 97.1230

Complementary

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



85.6038, 86.1652, 105.8857



87.4024, 95.9387, 92.5129

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.



76.8213, 86.1652, 89.0986



85.6038, 86.1652, 105.8857



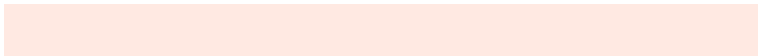
80.7624, 86.1652, 79.3711

Square

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



85.6038, 86.1652, 105.8857



86.0089, 86.1652, 83.7445



78.2996, 86.1652, 82.7062



77.9191, 86.1652, 104.6712

Rectangle

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



85.6038, 86.1652, 105.8857



87.4647, 86.1652, 93.2542



78.2996, 86.1652, 82.7062



76.5716, 86.1652, 94.3865

Sweetspot

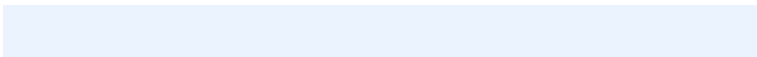
The Sweet Spot groups the original color and five complimentary colors.



85.6063, 86.1689, 105.8876



92.6588, 96.3840, 108.3281



84.2740, 89.0622, 106.5163



19.8579, 20.6680, 23.1927



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.



85.6063, 86.1689, 105.8876



84.6940, 84.4342, 106.4413



88.2710, 87.5659, 104.9570



18.0103, 17.8970, 22.7552



15.9508, 7.1334, 49.9708



1.6778, 0.7589, 4.8713

Inverse Universe

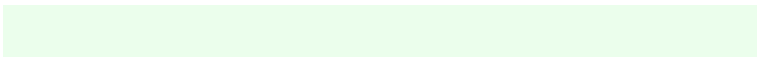
The Inverse Universe completely reimagines the original color for something new.



86.7620, 86.9623, 97.0106



86.0949, 85.3950, 95.7251



84.8850, 94.6197, 93.3537



18.3267, 18.1140, 20.3377



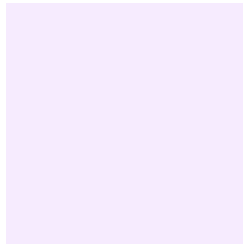
23.0167, 11.6960, 8.7386



2.2942, 1.1600, 1.1306

Previews

White Background



This preview shows how the XYZ color 85.6038, 86.1652, 105.8857 looks on a white background.

Color Contrast Check

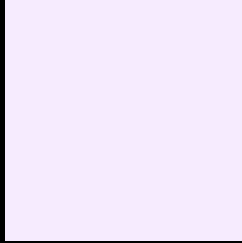
Large Text (above 18pt) WCAG AA × Fail

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 85.6038, 86.1652, 105.8857 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

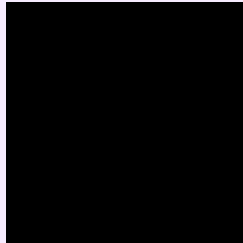
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

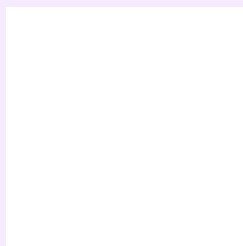
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.6038, 86.1652, 105.8857

Background



This preview shows how black text looks on a background with the XYZ color 85.6038, 86.1652, 105.8857.



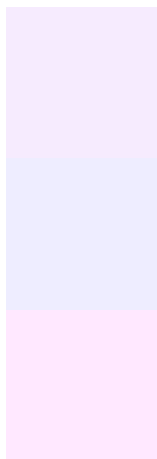
This preview shows how white text looks on a background with the XYZ color 85.6038, 86.1652,

105.8857.

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

85.6038, 86.1652, 105.8857

Protanopia

83.5941, 85.9655, 106.7949

Deuteranopia

88.1466, 86.1932, 106.5989



Tritanopia

85.6038, 86.1652, 105.8857

Trichromacy



Original Color

85.6038, 86.1652, 105.8857

Protanomaly

84.3211, 85.9117, 106.7462

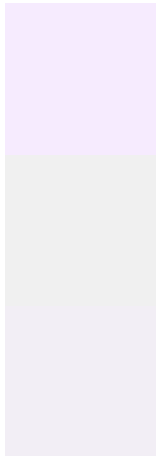
Deuteranomaly

87.3338, 86.1933, 106.6417

Tritanomaly

85.6038, 86.1652, 105.8857

Monochromacy



Original Color

85.6038, 86.1652, 105.8857

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

83.6739, 86.6189, 98.6952

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.6038, 86.1652, 105.8857 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(246, 235, 254) looks like.

```
.text, #text, p{  
    color:rgb(246, 235, 254)  
}
```

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(246, 235, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 235, 254) }
```

Border

The CSS property to change the border of an element to XYZ 85.6038, 86.1652, 105.8857 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(246, 235, 254) }
```


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

```
.border{ border-color:rgb(246, 235, 254) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 235, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 235, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 235, 254);  
box-shadow:4px 4px 4px 4px rgb(246, 235,  
254) }
```

Background

The CSS property to change the background color of an element to XYZ 85.6038, 86.1652, 105.8857 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 235, 254) }
```

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

```
.background{ background-color: rgb(246,  
235, 254) }
```

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