

Converting Colors

XYZ(86.6578, 85.0803,
100.3542)

Have a look what the booklet for
XYZ(86.6578, 85.0803, 100.3542)
contains.

XYZ(86.7592, 85.1891, 100.6774)	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(86.7592, 85.1891,
100.6774)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE7F8
RGB	255, 231, 248
RGB Percent	100%, 91%, 97%
CMY	0.0000, 0.0941, 0.0274
CMYK	0.00, 0.09, 0.03, 0.00
HSL	318°, 100%, 95%
HSV	318°, 9%, 100%
XYZ	86.7592, 85.1891, 100.6774
YIQ	240.1140, 8.8470, 10.3750

Conversions

Conversions Part 2

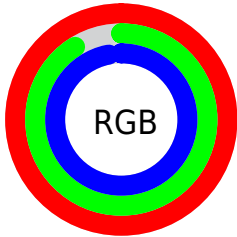
Format	Color
R_{YB}	255, 231, 248
Decimal	16771064
CIE _{Lab}	93.96, 11.04, -5.25
CIE _{LCh}	94, 12.223, 334.562
Yxy	85.1891, 0.3182, 0.3125
Android (android.graphics.Color)	4294961144 (0xFFFFE7F8)
YUV	240.1140, 3.8878, 13.0550
Hunter-Lab	92.2979, 6.2669, -0.0642

Details

The XYZ color **86.7592, 85.1891, 100.6774** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **84.1501, 94.6832, 94.7327**, and the grayscale version is **82.8811, 87.1973, 94.9579**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **48.1331, 46.4715, 56.3022** is the 20% darker color. If you saturate the color by 10%, you get **79.0046, 71.4899, 92.5129**, and if you desaturate by 10%, it is **95.0500, 100.0000, 108.9000**.

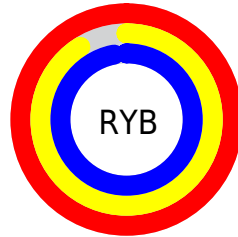
Distribution



Red (100%)

Green (91%)

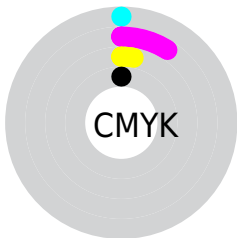
Blue (97%)



Red (100%)

Yellow (91%)

Blue (97%)

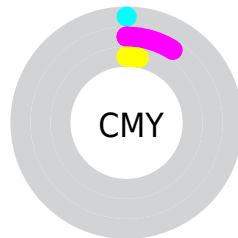


Cyan (0%)

Magenta (9%)

Yellow (3%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 86.7592, 85.1891, 100.6774 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 86.7592, 85.1891, 100.6774 by changing the saturation by 10% instead.


 86.7592, 85.1891,
100.6774

 86.7592, 85.1891,
100.6774

505.8277,
512.2536, 583.6275

 65.6233, 63.9976,
76.2464


141.7298,
140.6373, 164.1478

 48.2333, 46.6488,
56.1267


176.2953,
175.6629, 204.0242

 34.2237, 32.7581,
39.8998


216.0680,
216.0687, 249.8861

 23.2292, 21.9412,
27.1472

261.4133,
262.2390, 302.1521

 14.8845, 13.8137,
17.4504

312.6966,
314.5582, 361.2407

 8.8241, 7.9912,
10.3908

370.2832,

 4.6828, 4.0893,

373.4108, 427.5704

5.5499

434.5384,
439.1811, 501.5599

■ 2.0952, 1.7236,
2.5090

■ 0.6866, 0.4389,
0.8449

■ 86.7592, 85.1891,
100.6774

■ 86.7592, 85.1891,
100.6774

■ 79.0046, 71.4899,
92.5129

95.0500, 100.0000,
108.9000

■ 72.2885, 59.7953,
84.9170

■ 66.5640, 50.0124,
77.8728

■ 61.7788, 42.0372,
71.3599

■ 57.8752, 35.7552,
65.3565

■ 54.7891, 31.0393,
59.8384

■ 52.4475, 27.7441,
54.7785

■ 50.7632, 25.6966,
50.1447

■ 49.6033, 24.6315,
45.8898

Harmonies

Analogous

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



84.5755, 85.1891, 108.3282



86.7592, 85.1891, 100.6774



87.3758, 85.1891, 91.3367

Triad

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



86.7592, 85.1891, 100.6774



80.4724, 85.1891, 75.9982



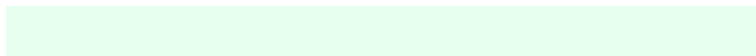
75.9200, 85.1891, 103.3105

Complementary

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



86.7592, 85.1891, 100.6774



84.1501, 94.6832, 94.7327

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.



74.8846, 85.1891, 94.1908



86.7592, 85.1891, 100.6774



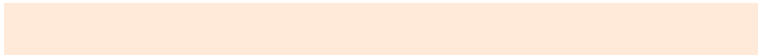
77.4678, 85.1891, 78.7534

Square

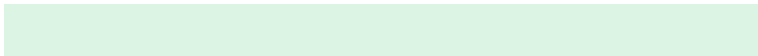
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



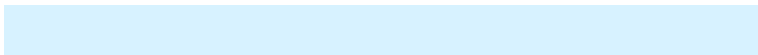
86.7592, 85.1891, 100.6774



83.6902, 85.1891, 77.4808



75.4436, 85.1891, 85.2623



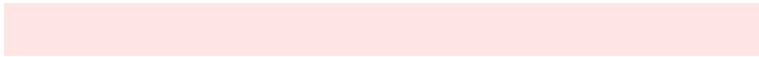
78.3088, 85.1891, 109.9185

Rectangle

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



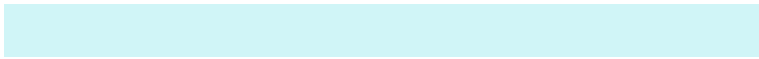
86.7592, 85.1891, 100.6774



86.8015, 85.1891, 85.4972



75.4436, 85.1891, 85.2623



75.4051, 85.1891, 100.4153

Sweetspot

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



86.7611, 85.1925, 100.6792



92.3007, 95.0729, 106.2216



81.8217, 82.5184, 106.2229



19.6025, 20.0747, 22.5845



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

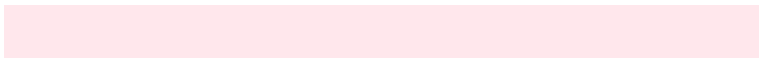
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7611, 85.1925, 100.6792



85.4559, 82.8750, 99.3415



84.9876, 84.4831, 91.3403



18.5536, 18.2047, 21.5323



25.9550, 12.8713, 24.2111



2.5748, 1.2723, 2.6083

Inverse Universe

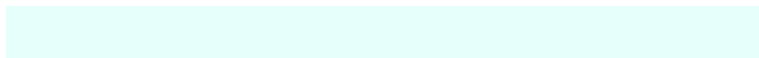
The Inverse Universe completely reimagines the original color for something new.



86.7611, 85.1925, 100.6792



85.4559, 82.8750, 99.3415



85.9410, 95.3996, 104.1636



18.5536, 18.2047, 21.5323



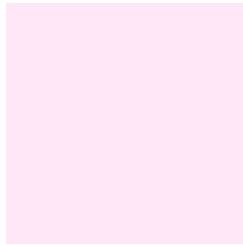
25.9550, 12.8713, 24.2111



2.5748, 1.2723, 2.6083

Previews

White Background



This preview shows how the XYZ color 86.7592, 85.1891, 100.6774 looks on a white background.

Color Contrast Check

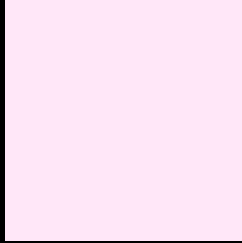
Large Text (above 18pt) WCAG AA × Fail

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 86.7592, 85.1891, 100.6774 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

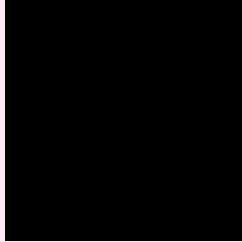
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 86.7592, 85.1891, 100.6774

Background



This preview shows how black text looks on a background with the XYZ color 86.7592, 85.1891, 100.6774.



This preview shows how white text looks on a background with the XYZ color 86.7592, 85.1891,

100.6774.

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

86.7592, 85.1891, 100.6774

Protanopia

82.6679, 85.1331, 103.3420

Deuteranopia

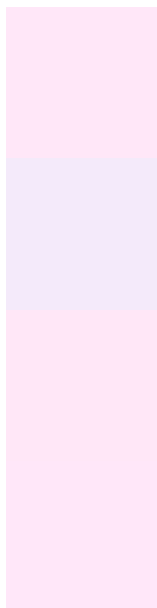
86.6044, 85.1272, 99.8623



Tritanopia

86.9148, 85.2514, 101.4968

Trichromacy



Original Color

86.7592, 85.1891, 100.6774

Protanomaly

83.9864, 84.9809, 102.4189

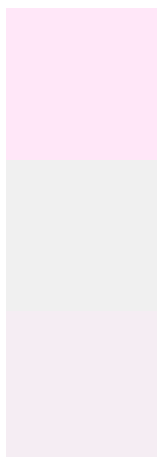
Deuteranomaly

86.6044, 85.1272, 99.8623

Tritanomaly

86.9148, 85.2514, 101.4968

Monochromacy



Original Color

86.7592, 85.1891, 100.6774

Achromatopsia

82.8234, 87.1367, 94.8919

Achromatomaly

84.1180, 86.4519, 97.0474

CSS Examples

Text

The CSS property to change the color of the text to XYZ 86.7592, 85.1891, 100.6774 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(255, 231, 248)` looks like.

```
.text, #text, p{  
    color:rgb(255, 231, 248)  
}
```

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(255, 231, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 231, 248) }
```

Border

The CSS property to change the border of an element to XYZ 86.7592, 85.1891, 100.6774 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(255, 231, 248) }
```


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

```
.border{ border-color:rgb(255, 231, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 231, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 231, 248); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 231, 248); box-shadow:4px 4px 4px 4px rgb(255, 231, 248) }
```

Background

The CSS property to change the background color of an element to XYZ 86.7592, 85.1891, 100.6774 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 231, 248) }
```

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

```
.background{ background-color: rgb(255,  
231, 248) }
```

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