

Converting Colors

XYZ(85.9668, 91.6819, 91.3728)

Have a look what the booklet for
XYZ(85.9668, 91.6819, 91.3728)
contains.

XYZ(85.8131, 91.4449, 90.9697)	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(85.8131, 91.4449,
90.9697)**

Conversions

Conversions Part 1

Format	Color
Hex	F6F6EA
RGB	246, 246, 234
RGB Percent	96%, 96%, 92%
CMY	0.0353, 0.0353, 0.0823
CMYK	0.00, 0.00, 0.05, 0.04
HSL	60°, 40%, 94%
HSV	60°, 5%, 96%
XYZ	85.8131, 91.4449, 90.9697
YIQ	244.6320, 3.8520, -3.7320

Conversions

Conversions Part 2

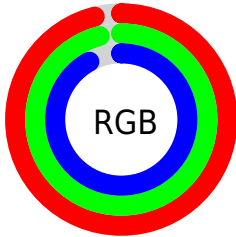
Format	Color
R _{YB}	234, 246, 234
Decimal	16185066
CIE Lab	96.59, -2.06, 5.76
CIE LCh	97, 6.115, 109.696
Yxy	91.4449, 0.3199, 0.3409
Android (android.graphics.Color)	4294375146 (0xFFFF6F6EA)
YUV	244.6320, -5.2416, 1.1997
Hunter-Lab	95.6268, -7.1656, 10.5363

Details

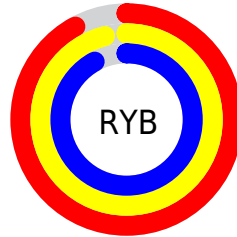
The XYZ color **85.8131, 91.4449, 90.9697** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.9926, 82.9944, 98.9970**, and the grayscale version is **86.5362, 91.0429, 99.1457**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.6845, 50.9884, 49.4480** is the 20% darker color. If you saturate the color by 10%, you get **82.5191, 90.1299, 73.6299**, and if you desaturate by 10%, it is **89.0174, 92.7300, 107.8147**.

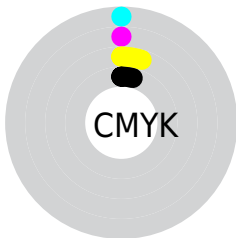
Distribution



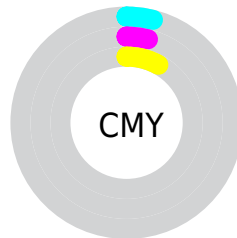
- Red (96%)
- Green (96%)
- Blue (92%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (5%)
- Black (4%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.8131, 91.4449, 90.9697 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 85.8131, 91.4449, 90.9697 by changing the saturation by 10% instead.

85.8131, 91.4449,
90.9697

85.8131, 91.4449,
90.9697

502.7580,
532.7199, 551.8315

64.8382, 69.1797,
68.2070

140.4168,
149.3438, 150.6319

47.5941, 50.8580,
49.5984

174.7763,
185.7463, 188.3684

33.7155, 36.0956,
34.7254

214.3281,
227.6299, 231.9333

22.8370, 24.5081,
23.1696

259.4374,
275.3792, 281.7450

14.5932, 15.7109,
14.5123

310.4698,
329.3784, 338.2221

8.6188, 9.3198,
8.3350

367.7904,

4.5485, 4.9504,

390.0120, 401.7833

4.2192

431.7647,
457.6644, 472.8469

■ 2.0169, 2.2182,
1.7464

■ 0.6434, 0.7299,
0.3922

■ 85.8131, 91.4449,
90.9697

■ 85.8131, 91.4449,
90.9697

■ 82.5191, 90.1299,
73.6299

■ 89.0174, 92.7300,
107.8147

■ 79.6934, 88.9992,
58.7669

■ 89.0207, 92.7317,
107.8148


■ 77.3168, 88.0482,
46.2695


■ 89.0241, 92.7334,
107.8150


■ 75.3663, 87.2676,
36.0157


■ 89.0274, 92.7351,
107.8152


 73.8167, 86.6474,
27.8726


 89.0307, 92.7368,
107.8153


 72.6400, 86.1763,
21.6936


 89.0341, 92.7385,
107.8155


 71.8048, 85.8418,
17.3130

 89.0374, 92.7402,
107.8156

 71.2745, 85.6294,
14.5381

 89.0407, 92.7420,
107.8158

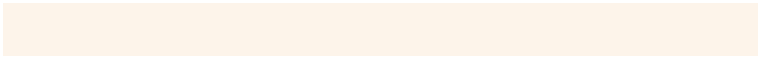
 71.0042, 85.5209,
13.1321

 89.0440, 92.7437,
107.8159

Harmonies

Analogous

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



87.5046, 91.4449, 90.5948



85.8131, 91.4449, 90.9697



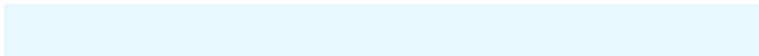
84.4342, 91.4449, 93.6051

Triad

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



85.8131, 91.4449, 90.9697



84.8078, 91.4449, 106.9171



90.1882, 91.4449, 101.2604

Complementary

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



85.8131, 91.4449, 90.9697



79.9926, 82.9944, 98.9970

Split Complementary

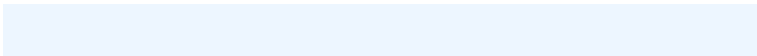
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.4452, 91.4449, 105.7788



85.8131, 91.4449, 90.9697



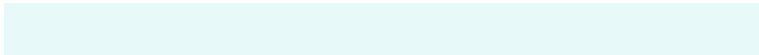
86.3293, 91.4449, 109.1149

Square

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



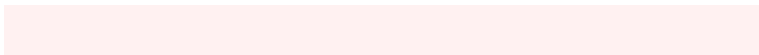
85.8131, 91.4449, 90.9697



83.8591, 91.4449, 102.7728



88.0276, 91.4449, 108.6916



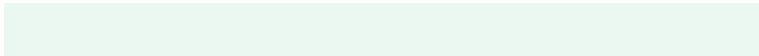
90.0456, 91.4449, 96.4305

Rectangle

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



85.8131, 91.4449, 90.9697



83.8707, 91.4449, 96.3386



88.0276, 91.4449, 108.6916



90.0333, 91.4449, 102.8687

Sweetspot

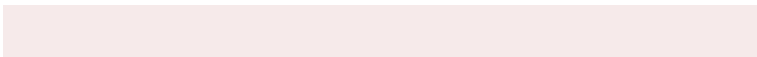
The Sweet Spot groups the original color and five complimentary colors.



85.8156, 91.4489, 90.9717



94.6417, 99.8367, 106.7520



82.2830, 84.3812, 89.7937



20.2615, 21.3709, 22.8720



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.



85.8156, 91.4489, 90.9717



92.6815, 99.0523, 96.4388



83.7456, 90.3817, 90.8748



18.1188, 19.3952, 18.6582



37.8592, 45.6300, 6.8121



3.3277, 4.0105, 0.5987

Inverse Universe

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



79.9926, 82.9944, 98.9970



84.9573, 87.8375, 107.0844



81.9953, 84.0268, 99.0908



16.4541, 16.9782, 20.9525



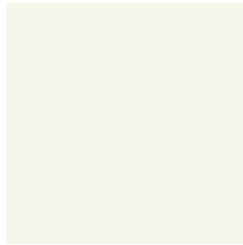
8.8798, 3.5520, 46.7556



0.7806, 0.3123, 4.1094

Previews

White Background



This preview shows how the XYZ color 85.8131, 91.4449, 90.9697 looks on a white background.

Color Contrast Check

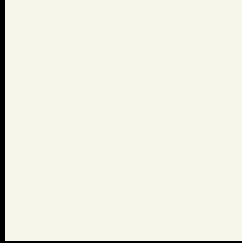
Large Text (above 18pt) WCAG AA × Fail

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 85.8131, 91.4449, 90.9697 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

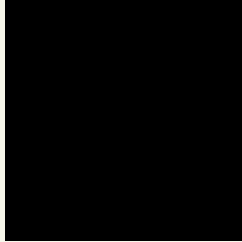
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

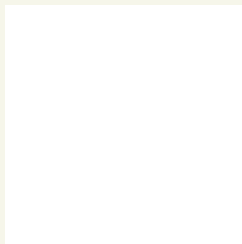
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 85.8131, 91.4449, 90.9697

Background



This preview shows how black text looks on a background with the XYZ color 85.8131, 91.4449, 90.9697.

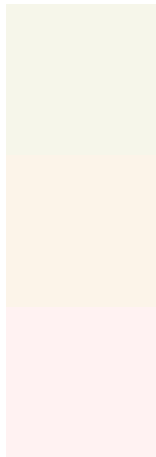


This preview shows how white text looks on a background with the XYZ color 85.8131, 91.4449,

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

85.8131, 91.4449, 90.9697

Protanopia

87.2035, 91.2800, 90.1135

Deuteranopia

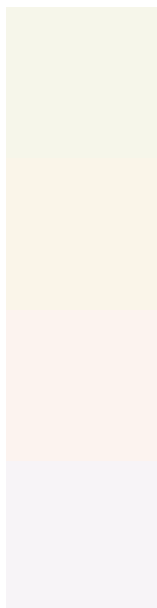
89.0191, 91.1751, 96.9111



Tritanopia

88.8120, 91.2776, 107.5452

Trichromacy



Original Color

85.8131, 91.4449, 90.9697

Protanomaly

86.7847, 91.5120, 90.1803

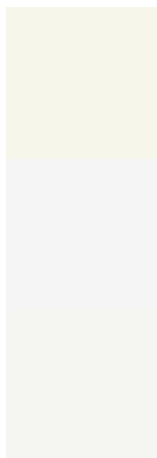
Deuteranomaly

87.7755, 91.0286, 94.6054

Tritanomaly

87.4970, 91.1909, 100.9857

Monochromacy



Original Color

85.8131, 91.4449, 90.9697

Achromatopsia

86.7900, 91.3099, 99.4364

Achromatomaly

86.1858, 91.0682, 96.2545

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.8131, 91.4449, 90.9697 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, 246, 234) looks like.

```
.text, #text, p{  
    color:rgb(246, 246, 234)  
}
```

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, 246, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 246, 234) }
```

Border

The CSS property to change the border of an element to XYZ 85.8131, 91.4449, 90.9697 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, 246, 234) }
```


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

```
.border{ border-color:rgb(246, 246, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 246, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(246, 246, 234); -webkit-box-shadow:4px 4px 4px 4px rgb(246, 246, 234); box-shadow:4px 4px 4px 4px rgb(246, 246, 234) }
```

Background

The CSS property to change the background color of an element to XYZ 85.8131, 91.4449, 90.9697 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 246, 234) }
```

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

```
.background{ background-color: rgb(246,  
246, 234) }
```

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