

Converting Colors

XYZ(85.1663, 91.3500, 80.1614)

Have a look what the booklet for
XYZ(85.1663, 91.3500, 80.1614)
contains.

XYZ(85.1663, 91.3500, 80.1614)	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(85.1663, 91.3500,
80.1614)**

Conversions

Conversions Part 1

Format	Color
Hex	FAF6DB
RGB	250, 246, 219
RGB Percent	98%, 96%, 86%
CMY	0.0196, 0.0353, 0.1412
CMYK	0.00, 0.02, 0.12, 0.02
HSL	52°, 76%, 92%
HSV	52°, 12%, 98%
XYZ	85.1663, 91.3500, 80.1614
YIQ	244.1180, 11.0510, -7.5490

Conversions

Conversions Part 2

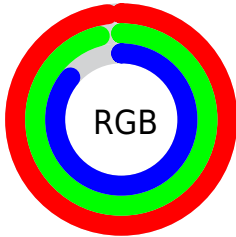
Format	Color
R _Y B	224, 250, 219
Decimal	16447195
CIE Lab	96.55, -3.11, 13.47
CIE LCh	97, 13.821, 103.004
Yxy	91.3500, 0.3318, 0.3559
Android (android.graphics.Color)	4294637275 (0xFFFAF6DB)
YUV	244.1180, -12.3832, 5.1585
Hunter-Lab	95.5772, -8.2035, 17.1770

Details

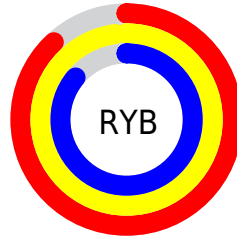
The XYZ color **85.1663, 91.3500, 80.1614** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **72.8563, 74.7362, 101.0289**, and the grayscale version is **86.1754, 90.6633, 98.7323**.

A 20% lighter version of the original color is **95.0500, 100.0000, 108.9000**, and **47.1066, 50.8447, 42.4532** is the 20% darker color. If you saturate the color by 10%, you get **81.1486, 88.1915, 63.7857**, and if you desaturate by 10%, it is **89.7003, 94.7483, 99.1501**.

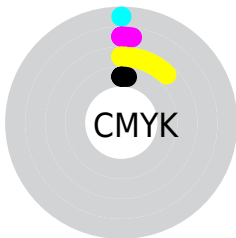
Distribution



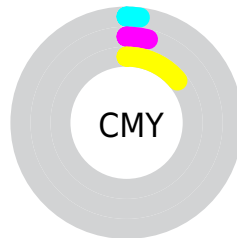
- Red (98%)
- Green (96%)
- Blue (86%)



- Red (88%)
- Yellow (98%)
- Blue (86%)



- Cyan (0%)
- Magenta (2%)
- Yellow (12%)
- Black (2%)



- Cyan (2%)
- Magenta (4%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 85.1663, 91.3500, 80.1614 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 85.1663, 91.3500, 80.1614 by changing the saturation by 10% instead.

85.1663, 91.3500,
80.1614

85.1663, 91.3500,
80.1614

500.6536,
532.4126, 515.1977

64.3018, 69.1009,
59.3242

139.5183,
149.2122, 135.4061

47.1577, 50.7939,
42.4524

173.7365,
185.5940, 170.6507

33.3688, 36.0446,
29.1275

213.1366,
227.4556, 211.5348

22.5697, 24.4686,
18.9309

258.0840,
275.1812, 258.4770

14.3951, 15.6816,
11.4441

308.9441,
329.1554, 311.8959

8.4795, 9.2991,
6.2484

366.0821,

4.4576, 4.9368,

389.7624, 372.2099

2.9255

429.8635,
457.3867, 439.8377

■ 1.9641, 2.2102,
1.0567

■ 0.6137, 0.7256,
0.0000

■ 85.1663, 91.3500,
80.1614

■ 85.1663, 91.3500,
80.1614

■ 81.1486, 88.1915,
63.7857

■ 89.7003, 94.7483,
99.1501

■ 77.6178, 85.2517,
49.9013

■ 92.4265, 97.4478,
108.5456

■ 74.5525, 82.5252,
38.3858

■ 93.2347, 99.0642,
108.8150

■ 71.9272, 80.0013,
29.1041

■ 69.7134, 77.6688,
21.9073

■ 67.8793, 75.5146,
16.6286

■ 66.3884, 73.5241,
13.0755

■ 65.1963, 71.6794,
11.0154

■ 64.4399, 70.3546,
10.1834

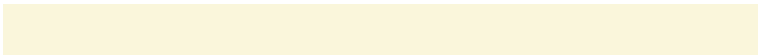
Harmonies

Analogous

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



89.0126, 91.3500, 80.4936



85.1663, 91.3500, 80.1614



81.8619, 91.3500, 84.7184

Triad

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



85.1663, 91.3500, 80.1614



81.5110, 91.3500, 114.6751



94.1170, 91.3500, 105.8068

Complementary

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



85.1663, 91.3500, 80.1614



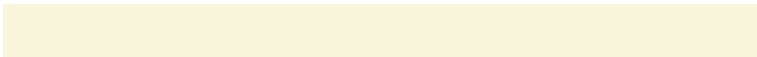
72.8563, 74.7362, 101.0289

Split Complementary

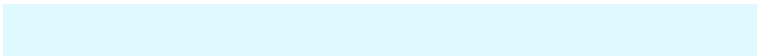
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.9856, 91.3500, 115.8298



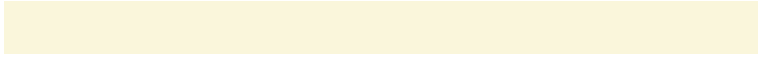
85.1663, 91.3500, 80.1614



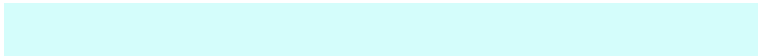
84.6744, 91.3500, 121.2042

Square

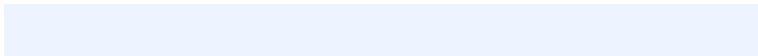
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.1663, 91.3500, 80.1614



79.7940, 91.3500, 104.3239



88.5060, 91.3500, 121.6417



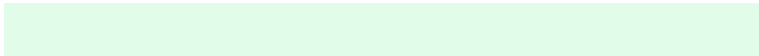
94.2583, 91.3500, 94.7586

Rectangle

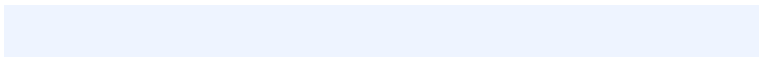
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.1663, 91.3500, 80.1614



80.3798, 91.3500, 90.1264



88.5060, 91.3500, 121.6417



93.6067, 91.3500, 109.4266

Sweetspot

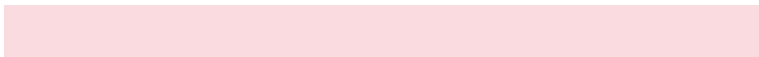
The Sweet Spot groups the original color and five complimentary colors.



85.1688, 91.3540, 80.1634



93.0330, 98.5245, 100.3400



78.0942, 76.3232, 80.5234



19.8338, 21.0299, 21.1432



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.



85.1688, 91.3540, 80.1634



87.9395, 94.6719, 79.1139



82.4457, 91.7736, 80.3879



18.5254, 19.7866, 18.3052



34.2559, 37.4684, 5.4266



3.2242, 3.5733, 0.5198

Inverse Universe

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



72.8563, 74.7362, 101.0289



72.6272, 74.0058, 105.0644



75.3389, 74.4502, 100.8429



16.4633, 17.0034, 21.7996



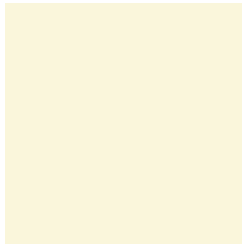
9.4860, 4.3276, 48.3089



0.9333, 0.5103, 4.4925

Previews

White Background



This preview shows how the XYZ color 85.1663, 91.3500, 80.1614 looks on a white background.

Color Contrast Check

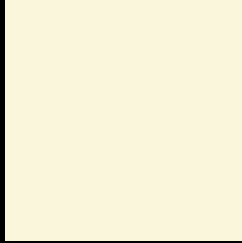
Large Text (above 18pt) WCAG AA × Fail

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 85.1663, 91.3500, 80.1614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

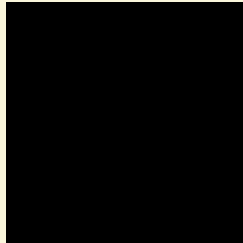
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 85.1663, 91.3500, 80.1614

Background



This preview shows how black text looks on a background with the XYZ color 85.1663, 91.3500, 80.1614.



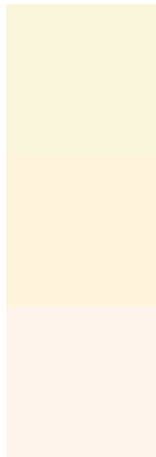
This preview shows how white text looks on a background with the XYZ color 85.1663, 91.3500,

80.1614.

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

85.1663, 91.3500, 80.1614

Protanopia

86.5090, 91.1287, 80.7402

Deuteranopia

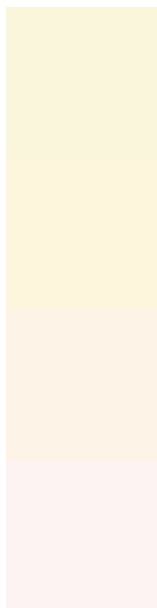
88.7232, 91.5342, 93.8806



Tritanopia

90.3101, 91.6069, 107.5298

Trichromacy



Original Color

85.1663, 91.3500, 80.1614

Protanomaly

86.0787, 91.3548, 80.8065

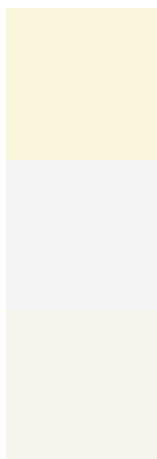
Deuteranomaly

87.2825, 91.3535, 88.6340

Tritanomaly

88.2225, 91.2074, 96.9594

Monochromacy



Original Color

85.1663, 91.3500, 80.1614

Achromatopsia

85.9880, 90.4661, 98.5176

Achromatomaly

85.6538, 90.8958, 91.6275

CSS Examples

Text

The CSS property to change the color of the text to XYZ 85.1663, 91.3500, 80.1614 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(250, 246, 219) looks like.

```
.text, #text, p{  
    color:rgb(250, 246, 219)  
}
```

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(250, 246, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 246, 219) }
```

Border

The CSS property to change the border of an element to XYZ 85.1663, 91.3500, 80.1614 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(250, 246, 219) }
```


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

```
.border{ border-color:rgb(250, 246, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 246, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 246, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 246, 219);  
box-shadow:4px 4px 4px 4px rgb(250, 246,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 85.1663, 91.3500, 80.1614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 246, 219) }
```

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

```
.background{ background-color: rgb(250,  
246, 219) }
```

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