

Converting Colors

XYZ(109.8278, 100.0000,
62.6447)

Have a look what the booklet for
XYZ(109.8278, 100.0000, 62.6447)
contains.

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Color

**XYZ(80.6394, 85.0125,
61.4491)**

Conversions

Conversions Part 1

Format	Color
Hex	FFECBF
RGB	255, 236, 191
RGB Percent	100%, 93%, 75%
CMY	0.0000, 0.0745, 0.2510
CMYK	0.00, 0.07, 0.25, 0.00
HSL	42°, 100%, 87%
HSV	42°, 25%, 100%
XYZ	80.6394, 85.0125, 61.4491
YIQ	236.5510, 25.7690, -9.9670

Conversions

Conversions Part 2

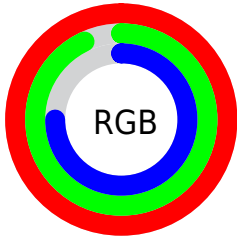
Format	Color
R_{YB}	218, 255, 191
Decimal	16772287
CIE _{Lab}	93.89, -0.32, 24.18
CIE _{LCh}	94, 24.187, 90.752
Yxy	85.0125, 0.3551, 0.3743
Android (android.graphics.Color)	4294962367 (0xFFFFECCBF)
YUV	236.5510, -22.4566, 16.1798
Hunter-Lab	92.2022, -5.2391, 25.0271

Details

The XYZ color **80.6394, 85.0125, 61.4491** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **62.5819, 64.3876, 103.7374**, and the grayscale version is **80.3061, 84.4883, 92.0077**.

A 20% lighter version of the original color is **93.9433, 99.5573, 103.0721**, and **44.1253, 46.4544, 30.3079** is the 20% darker color. If you saturate the color by 10%, you get **75.9415, 79.7233, 47.2229**, and if you desaturate by 10%, it is **85.9225, 90.6894, 78.2827**.

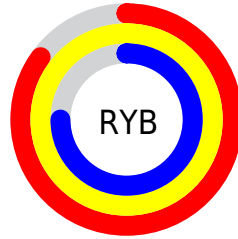
Distribution



Red (100%)

Green (93%)

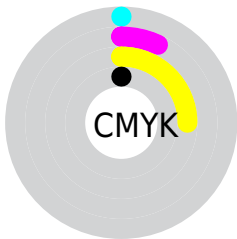
Blue (75%)



Red (85%)

Yellow (100%)

Blue (75%)

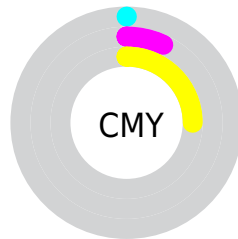


Cyan (0%)

Magenta (7%)

Yellow (25%)

Black (0%)



Cyan (0%)


Magenta (7%)


Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 80.6394, 85.0125, 61.4491 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 80.6394, 85.0125, 61.4491 by changing the saturation by 10% instead.


 80.6394, 85.0125,
61.4491

 80.6394, 85.0125,
61.4491


485.7888,
511.6694, 447.8708

 60.5549, 63.8517,
44.1548


 133.2101,
140.3906, 108.4928

 44.1172, 46.5306,
30.4541


166.4271,
175.3768, 139.0793

 30.9610, 32.6647,
19.9286

204.7523,
215.7402, 174.9335

 20.7208, 21.8697,
12.1596

248.5510,
261.8652, 216.4741

 13.0314, 13.7612,
6.7286

298.1887,
314.1362, 264.1196

 7.5273, 7.9548,
3.2171

354.0307,

 3.8433, 4.0660,

372.9377, 318.2885

1.2065

416.4423,
438.6539, 379.3994

■ 1.6138, 1.7106,
0.0000

■ 0.4014, 0.4305,
0.0000

■ 80.6394, 85.0125,
61.4491

■ 80.6394, 85.0125,
61.4491

■ 75.9415, 79.7233,
47.2229

■ 85.9225, 90.6894,
78.2827

■ 71.7960, 74.7980,
35.4651

■ 91.8090, 96.7543,
97.8426

■ 68.1763, 70.2272,
26.0317

95.0500, 100.0000,
108.9000

■ 65.0507, 65.9962,
18.7616

■ 62.3835, 62.0888,
13.4729

■ 60.1332, 58.4867,
9.9536

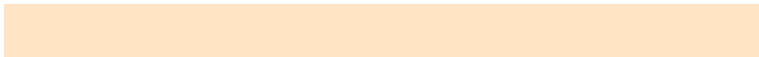
■ 58.2493, 55.1673,
7.9424

■ 57.4243, 53.6287,
7.3248

Harmonies

Analogous

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



87.0018, 85.0125, 64.9505



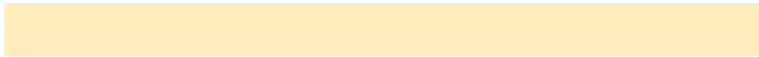
80.6394, 85.0125, 61.4491



74.6363, 85.0125, 65.3187

Triad

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



80.6394, 85.0125, 61.4491



70.6241, 85.0125, 111.9000



92.0904, 85.0125, 110.9875

Complementary

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



80.6394, 85.0125, 61.4491



62.5819, 64.3876, 103.7374

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.



87.2979, 85.0125, 126.4943



80.6394, 85.0125, 61.4491



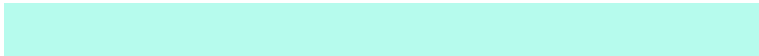
74.9036, 85.0125, 127.0685

Square

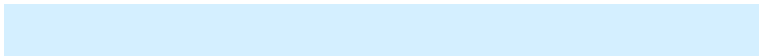
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



80.6394, 85.0125, 61.4491



69.0459, 85.0125, 93.0304



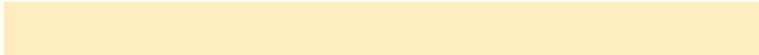
80.9645, 85.0125, 132.7289



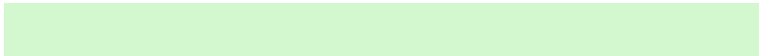
93.8218, 85.0125, 92.0994

Rectangle

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



80.6394, 85.0125, 61.4491



71.5899, 85.0125, 71.8983



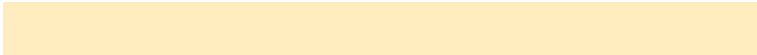
80.9645, 85.0125, 132.7289



90.7719, 85.0125, 116.8530

Sweetspot

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



80.6415, 85.0163, 61.4509



90.0365, 94.9528, 91.8769



71.5292, 63.1857, 69.5304



19.0793, 20.1268, 19.0236



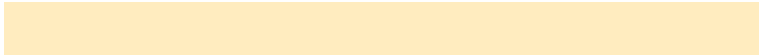
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

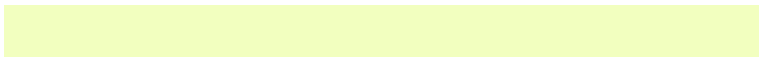
The Same Dimension uses a secret algorithm to generate beautiful new colors.



80.6415, 85.0163, 61.4509



78.2662, 82.3745, 54.1580



81.8510, 94.1944, 63.1587



19.0793, 20.1268, 19.0236



30.1418, 28.2948, 3.8728



3.0300, 2.9455, 0.4088

Inverse Universe

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



62.5819, 64.3876, 103.7374



57.4593, 58.6127, 102.8927



61.5287, 57.2918, 102.4233



17.4423, 18.2563, 22.8545



10.8828, 6.6752, 50.1494



1.1498, 0.8304, 4.9129

Previews

White Background



This preview shows how the XYZ color 80.6394, 85.0125, 61.4491 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 80.6394, 85.0125, 61.4491 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 80.6394, 85.0125, 61.4491

Background



This preview shows how black text looks on a background with the XYZ color 80.6394, 85.0125, 61.4491.



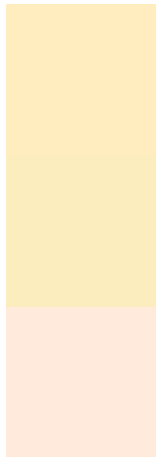
This preview shows how white text looks on a background with the XYZ color 80.6394, 85.0125,

61.4491.

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

80.6394, 85.0125, 61.4491

Protanopia

79.8330, 85.0254, 61.4941

Deuteranopia

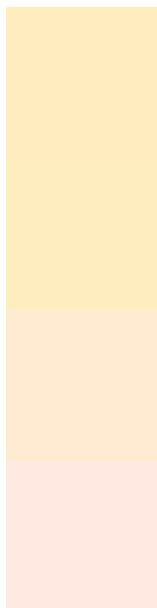
83.4490, 85.2201, 79.0687



Tritanopia

86.1450, 84.9435, 97.4433

Trichromacy



Original Color

80.6394, 85.0125, 61.4491

Protanomaly

80.1962, 85.2126, 61.5111

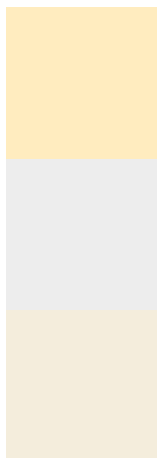
Deuteranomaly

82.4570, 85.2801, 72.4364

Tritanomaly

83.9695, 84.9741, 83.2101

Monochromacy



Original Color

80.6394, 85.0125, 61.4491

Achromatopsia

80.4953, 84.6873, 92.2245

Achromatomaly

80.5107, 84.9688, 79.8674

CSS Examples

Text

The CSS property to change the color of the text to XYZ 80.6394, 85.0125, 61.4491 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, 236, 191)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 191)  
}
```

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, 236, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 191) }
```

Border

The CSS property to change the border of an element to XYZ 80.6394, 85.0125, 61.4491 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, 236, 191) }
```


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

```
.border{ border-color:rgb(255, 236, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 191);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
191) }
```

Background

The CSS property to change the background color of an element to XYZ 80.6394, 85.0125, 61.4491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 191) }
```

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

```
.background{ background-color: rgb(255,  
236, 191) }
```

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](#).

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