

Converting Colors

XYZ(81.7737, 86.1517, 65.3090)

Have a look what the booklet for
XYZ(81.7737, 86.1517, 65.3090)
contains.

XYZ(81.6022, 85.8596, 65.0950)	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(81.6022, 85.8596,
65.0950)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEDC5
RGB	255, 237, 197
RGB Percent	100%, 93%, 77%
CMY	0.0000, 0.0706, 0.2274
CMYK	0.00, 0.07, 0.23, 0.00
HSL	41°, 100%, 89%
HSV	41°, 23%, 100%
XYZ	81.6022, 85.8596, 65.0950
YIQ	237.8220, 23.5680, -8.6240

Conversions

Conversions Part 2

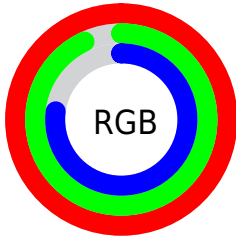
Format	Color
R _Y B	223, 255, 197
Decimal	16772549
CIE Lab	94.25, -0.01, 21.61
CIE LCh	94, 21.606, 90.025
Yxy	85.8596, 0.3509, 0.3692
Android (android.graphics.Color)	4294962629 (0xFFFFEDC5)
YUV	237.8220, -20.1252, 15.0651
Hunter-Lab	92.6605, -4.9583, 23.2104

Details

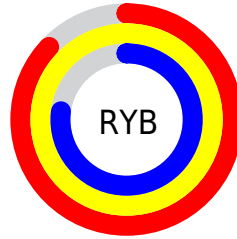
The XYZ color **81.6022, 85.8596, 65.0950** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **65.3758, 67.6892, 104.2274**, and the grayscale version is **81.2701, 85.5025, 93.1122**.

A 20% lighter version of the original color is **94.8894, 99.9358, 108.0543**, and **44.7705, 47.0367, 32.7059** is the 20% darker color. If you saturate the color by 10%, you get **76.6843, 80.3108, 50.2393**, and if you desaturate by 10%, it is **87.1197, 91.8159, 82.5911**.

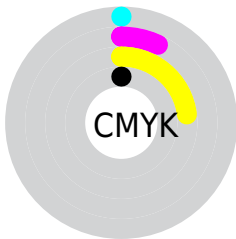
Distribution



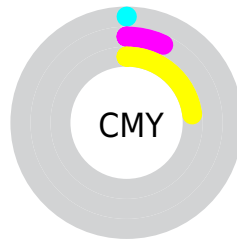
- Red (100%)
- Green (93%)
- Blue (77%)



- Red (87%)
- Yellow (100%)
- Blue (77%)



- Cyan (0%)
- Magenta (7%)
- Yellow (23%)
- Black (0%)





- Cyan (0%)
- Magenta (7%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 81.6022, 85.8596, 65.0950 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 81.6022, 85.8596, 65.0950 by changing the saturation by 10% instead.


 81.6022, 85.8596,
65.0950

 81.6022, 85.8596,
65.0950


488.9708,
514.4681, 461.4488

 61.3507, 64.5519,
47.0863


134.5547,
141.5735, 113.8010

 44.7619, 47.0978,
32.7490


167.9865,
176.7486, 145.3354

 31.4704, 33.1130,
21.6647


206.5423,
217.3148, 182.2154

 21.1109, 22.2130,
13.4148

250.5877,
263.6567, 224.8596

 13.3180, 14.0135,
7.5807

300.4878,
316.1585, 273.6865

 7.7264, 8.1301,
3.7439

356.6081,

 3.9707, 4.1783,

375.2048, 329.1146

1.4860

419.3140,
441.1799, 391.5626

■ 1.6856, 1.7738,
0.2074

■ 0.4472, 0.4708,
0.0000

■ 81.6022, 85.8596,
65.0950

■ 81.6022, 85.8596,
65.0950

■ 76.6843, 80.3108,
50.2393

■ 87.1197, 91.8159,
82.5911

■ 72.3335, 75.1455,
37.8871

■ 93.2549, 98.1800,
102.8441

■ 68.5236, 70.3541,
27.8976

95.0500, 100.0000,
108.9000

■ 65.2235, 65.9220,
20.1135

■ 62.3985, 61.8332,
14.3585

■ 60.0084, 58.0693,
10.4288

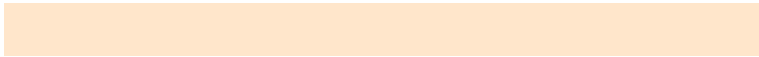
■ 58.0051, 54.6089,
8.0774

■ 56.7433, 52.2666,
7.0978

Harmonies

Analogous

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



87.2955, 85.8596, 68.5025



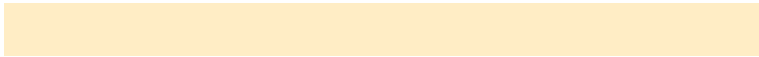
81.6022, 85.8596, 65.0950



76.1632, 85.8596, 68.5136

Triad

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



81.6022, 85.8596, 65.0950



72.3443, 85.8596, 110.3614



91.6335, 85.8596, 110.3350

Complementary

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



81.6022, 85.8596, 65.0950



65.3758, 67.6892, 104.2274

Split Complementary

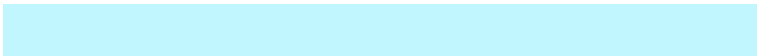
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.3041, 85.8596, 123.8916



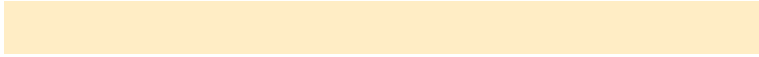
81.6022, 85.8596, 65.0950



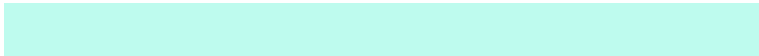
76.1711, 85.8596, 123.9081

Square

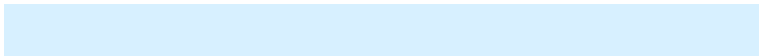
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.6022, 85.8596, 65.0950



70.9747, 85.8596, 93.5002



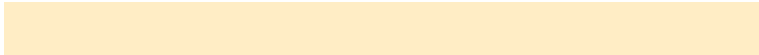
81.6117, 85.8596, 129.1245



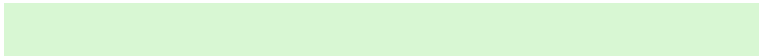
93.2514, 85.8596, 93.4728

Rectangle

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



81.6022, 85.8596, 65.0950



73.3710, 85.8596, 74.4656



81.6117, 85.8596, 129.1245



90.4373, 85.8596, 115.4984

Sweetspot

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



81.6043, 85.8634, 65.0968



90.5667, 95.4206, 93.8804



73.5198, 66.1186, 73.4255



19.3054, 20.3415, 19.8310



0.0000, 0.0000, 0.0000



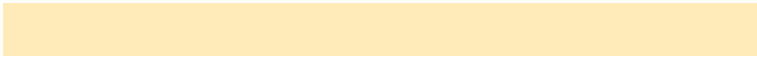
20.3446, 21.4041, 23.3091

Same Dimension

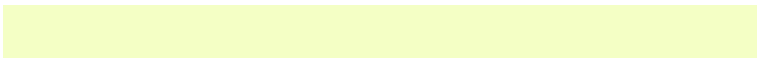
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.6043, 85.8634, 65.0968



79.4392, 83.4522, 58.4590



83.2740, 94.8501, 66.7434



19.0579, 20.0839, 19.0165



29.7886, 27.5885, 3.7551



2.9978, 2.8809, 0.3981

Inverse Universe

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



65.3758, 67.6892, 104.2274



60.7728, 62.5513, 103.4783



63.9266, 60.5104, 102.9181



17.4627, 18.2970, 22.8612



11.0127, 6.9350, 50.1927



1.1646, 0.8598, 4.9179

Previews

White Background



This preview shows how the XYZ color 81.6022, 85.8596, 65.0950 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 81.6022, 85.8596, 65.0950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

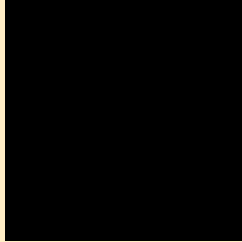
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 81.6022, 85.8596, 65.0950

Background



This preview shows how black text looks on a background with the XYZ color 81.6022, 85.8596, 65.0950.



This preview shows how white text looks on a background with the XYZ color 81.6022, 85.8596,

65.0950.

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

81.6022, 85.8596, 65.0950

Protanopia

80.7975, 85.8757, 65.1405

Deuteranopia

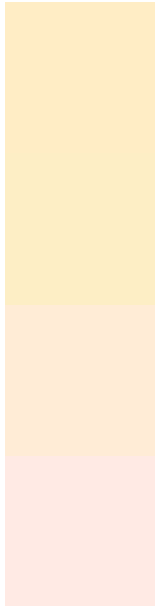
84.2676, 86.0044, 81.9712



Tritanopia

86.5780, 85.5658, 98.3389

Trichromacy



Original Color

81.6022, 85.8596, 65.0950

Protanomaly

81.1606, 86.0629, 65.1575

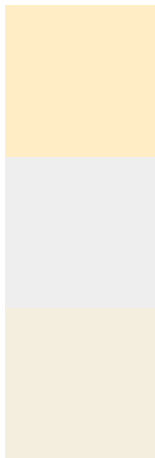
Deuteranomaly

83.3731, 86.1059, 75.8442

Tritanomaly

84.6664, 85.7071, 85.4795

Monochromacy



Original Color

81.6022, 85.8596, 65.0950

Achromatopsia

81.2670, 85.4993, 93.1087

Achromatomaly

81.2020, 85.7099, 82.0759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 81.6022, 85.8596, 65.0950 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, 237, 197)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 197)  
}
```

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, 237, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 197) }
```

Border

The CSS property to change the border of an element to XYZ 81.6022, 85.8596, 65.0950 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, 237, 197) }
```


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

```
.border{ border-color:rgb(255, 237, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 237, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 197);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 81.6022, 85.8596, 65.0950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 197) }
```

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

```
.background{ background-color: rgb(255,  
237, 197) }
```

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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