

Converting Colors

XYZ(65.0746, 80.2053, 54.4811)

Have a look what the booklet for
XYZ(65.0746, 80.2053, 54.4811)
contains.

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Color

**XYZ(65.0891, 80.1932,
54.6961)**

Conversions

Conversions Part 1

Format	Color
Hex	CCF3B3
RGB	204, 243, 179
RGB Percent	80%, 95%, 70%
CMY	0.2000, 0.0470, 0.2980
CMYK	0.16, 0.00, 0.26, 0.05
HSL	97°, 73%, 83%
HSV	97°, 26%, 95%
XYZ	65.0891, 80.1932, 54.6961
YIQ	224.0430, -2.7000, -28.1720

Conversions

Conversions Part 2

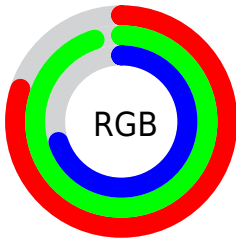
Format	Color
RYB	179, 243, 218
Decimal	13431731
CIELab	91.77, -23.82, 26.83
CIELCh	92, 35.872, 131.598
Yxy	80.1932, 0.3255, 0.4010
Android (android.graphics.Color)	4291621811 (0xFFCCCF3B3)
YUV	224.0430, -22.2062, -17.5777
Hunter-Lab	89.5507, -26.9725, 26.4721

Details

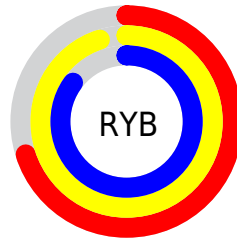
The XYZ color **65.0891, 80.1932, 54.6961** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.2145, 53.6190, 91.9214**, and the grayscale version is **71.0392, 74.7388, 81.3905**.

A 20% lighter version of the original color is **91.9954, 98.7782, 92.8147**, and **33.9306, 43.4366, 26.3344** is the 20% darker color. If you saturate the color by 10%, you get **58.9774, 77.3043, 42.6919**, and if you desaturate by 10%, it is **72.0241, 83.4613, 69.0028**.

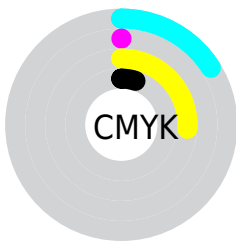
Distribution



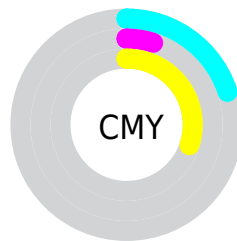
- Red (80%)
- Green (95%)
- Blue (70%)



- Red (70%)
- Yellow (95%)
- Blue (85%)



- Cyan (16%)
- Magenta (0%)
- Yellow (26%)
- Black (5%)





- Cyan (20%)
- Magenta (5%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 65.0891, 80.1932, 54.6961 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 65.0891, 80.1932, 54.6961 by changing the saturation by 10% instead.


 65.0891, 80.1932,
54.6961

 65.0891, 80.1932,
54.6961


432.6522,
495.5837, 422.0084

 47.7983, 59.8773,
38.7615


 111.2429,
133.6373, 98.5622

 33.8778, 43.3198,
26.2678


140.8367,
167.5344, 127.3309

 22.9622, 30.1361,
16.7966


175.2621,
206.7273, 161.2146

 14.6861, 19.9419,
9.9291

214.8846,
251.6005, 200.6319

 8.6843, 12.3528,
5.2470

260.0695,
302.5383, 246.0014

 4.5913, 6.9844,
2.3316

311.1822,

 2.0418, 3.4524,

359.9252, 297.7416

0.7489

368.5880,
424.1455, 356.2711

■ 0.6573, 1.3722,
0.0000

■ 0.0000, 0.1961,
0.0000

■ 65.0891, 80.1932,
54.6961

■ 65.0891, 80.1932,
54.6961

■ 58.9774, 77.3043,
42.6919

■ 72.0241, 83.4613,
69.0028

■ 53.6494, 74.7696,
32.8649

■ 79.8075, 87.1119,
85.7184

■ 49.0710, 72.5768,
25.0855

■ 88.4711, 91.1614,
104.9486

■ 45.2031, 70.7089,
19.2085

■ 91.3422, 92.5844,
107.6641

■ 42.0023, 69.1471,
15.0695

■ 39.4190, 67.8701,
12.4761

■ 37.3938, 66.8525,
11.1885

■ 36.7626, 66.5327,
10.9045

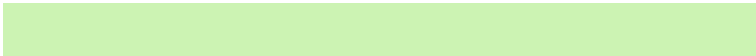
Harmonies

Analogous

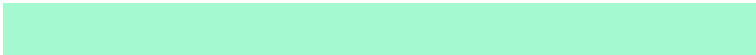
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.7262, 80.1932, 46.5566



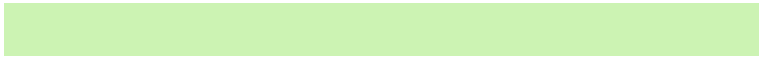
65.0891, 80.1932, 54.6961



60.6642, 80.1932, 72.3056

Triad

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



65.0891, 80.1932, 54.6961



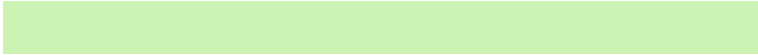
70.7817, 80.1932, 144.6275



94.8598, 80.1932, 77.5397

Complementary

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



65.0891, 80.1932, 54.6961



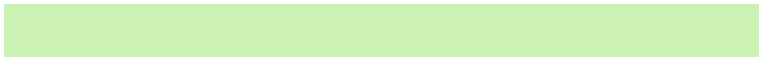
61.2145, 53.6190, 91.9214

Split Complementary

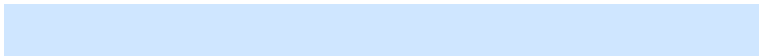
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



94.2336, 80.1932, 104.2738



65.0891, 80.1932, 54.6961



79.8265, 80.1932, 146.8132

Square

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



65.0891, 80.1932, 54.6961



63.7643, 80.1932, 125.3770



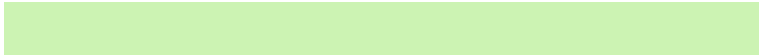
88.5553, 80.1932, 130.8569



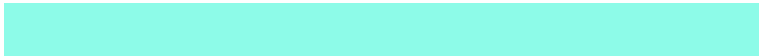
90.2033, 80.1932, 57.8626

Rectangle

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



65.0891, 80.1932, 54.6961



59.8979, 80.1932, 88.7344



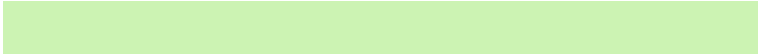
88.5553, 80.1932, 130.8569



95.2696, 80.1932, 85.9143

Sweetspot

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



65.0912, 80.1967, 54.6978



87.5108, 96.4730, 92.3034



70.0181, 72.1447, 52.8840



18.4426, 20.5141, 19.1319



0.0000, 0.0000, 0.0000



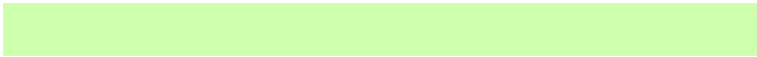
20.3446, 21.4041, 23.3091

Same Dimension

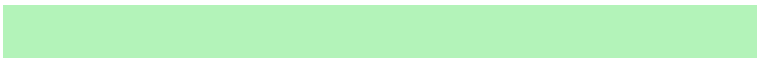
The Same Dimension uses a secret algorithm to generate beautiful new colors.



65.0912, 80.1967, 54.6978



68.5934, 87.5704, 53.0259



59.4427, 77.2082, 57.8918



16.8944, 18.7876, 17.5335



20.3160, 36.5861, 5.9911



1.8973, 3.2731, 0.5318

Inverse Universe

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



61.2145, 53.6190, 91.9214



63.5414, 52.9692, 101.4828



68.3130, 57.3881, 87.2951



16.5505, 16.4264, 20.8409



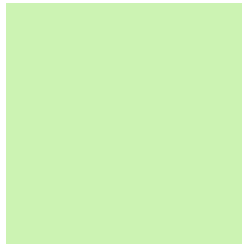
15.7461, 7.0917, 47.0770



1.4990, 0.6826, 4.1430

Previews

White Background



This preview shows how the XYZ color 65.0891, 80.1932, 54.6961 looks on a white background.

Color Contrast Check

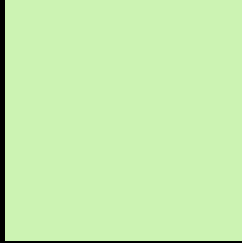
Large Text (above 18pt) WCAG AA × Fail

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 65.0891, 80.1932, 54.6961 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

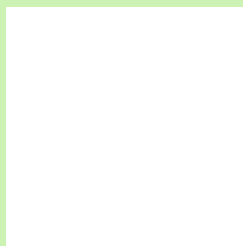
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 65.0891, 80.1932, 54.6961

Background



This preview shows how black text looks on a background with the XYZ color 65.0891, 80.1932, 54.6961.

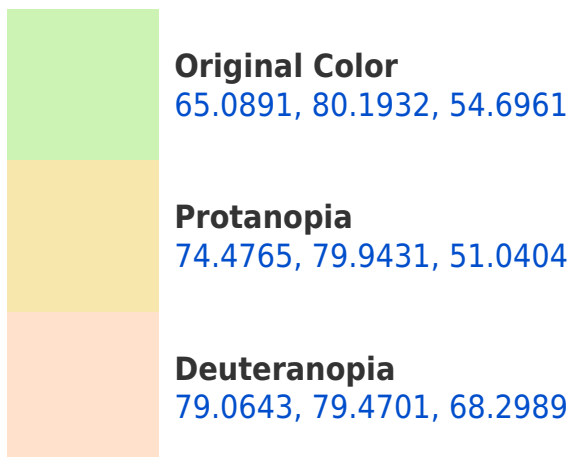


This preview shows how white text looks on a background with the XYZ color 65.0891, 80.1932,

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





Tritanopia

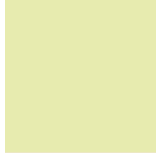
74.7339, 79.7532, 103.5505

Trichromacy



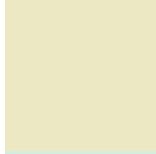
Original Color

65.0891, 80.1932, 54.6961



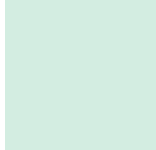
Protanomaly

70.4012, 79.5007, 52.1921



Deuteranomaly

73.2990, 79.4862, 63.1089



Tritanomaly

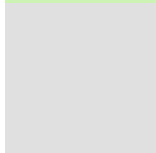
70.7388, 79.8535, 82.9191

Monochromacy



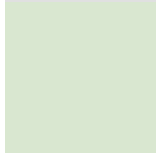
Original Color

65.0891, 80.1932, 54.6961



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.5764, 76.4576, 70.8179

CSS Examples

Text

The CSS property to change the color of the text to XYZ 65.0891, 80.1932, 54.6961 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(204, 243, 179)` looks like.

```
.text, #text, p{  
    color:rgb(204, 243, 179)  
}
```

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(204, 243, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 243, 179) }
```

Border

The CSS property to change the border of an element to XYZ 65.0891, 80.1932, 54.6961 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(204, 243, 179) }
```


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

```
.border{ border-color:rgb(204, 243, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 243, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 243, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 243, 179);  
box-shadow:4px 4px 4px 4px rgb(204, 243,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 65.0891, 80.1932, 54.6961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 243, 179) }
```

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

```
.background{ background-color: rgb(204,  
243, 179) }
```

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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