

# Converting Colors

XYZ(65.8685, 75.8535, 54.6466)

Have a look what the booklet for  
XYZ(65.8685, 75.8535, 54.6466)  
contains.

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# Color

**XYZ(65.8124, 75.8011,  
54.8785)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D9E8B5
RGB	217, 232, 181
RGB Percent	85%, 91%, 71%
CMY	0.1490, 0.0902, 0.2902
CMYK	0.06, 0.00, 0.22, 0.09
HSL	78°, 53%, 81%
HSV	78°, 22%, 91%
XYZ	65.8124, 75.8011, 54.8785
YIQ	221.7010, 7.4310, -19.0410

# Conversions

## Conversions Part 2

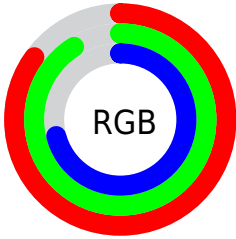
Format	Color
<a href="#">RYB</a>	<a href="#">181, 232, 196</a>
Decimal	<a href="#">14280885</a>
CIELab	<a href="#">89.77, -13.55, 23.19</a>
CIELCh	<a href="#">90, 26.860, 120.291</a>
Yxy	<a href="#">75.8011, 0.3349, 0.3858</a>
Android (android.graphics.Color)	<a href="#">4292470965</a> ( <a href="#">0xFFD9E8B5</a> )
YUV	<a href="#">221.7010, -20.0656, -4.1228</a>
Hunter-Lab	<a href="#">87.0638, -17.4318, 23.5727</a>

# Details

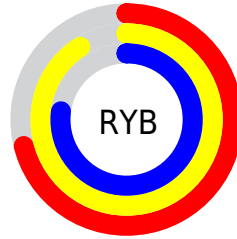
The XYZ color **65.8124, 75.8011, 54.8785** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **53.8573, 50.6118, 83.2785**, and the grayscale version is **69.3553, 72.9672, 79.4612**.

A 20% lighter version of the original color is **92.2861, 98.8944, 94.3453**, and **34.3219, 40.2906, 26.3900** is the 20% darker color. If you saturate the color by 10%, you get **61.6410, 73.9055, 43.2746**, and if you desaturate by 10%, it is **70.4682, 77.9052, 68.5774**.

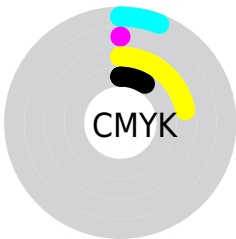
# Distribution



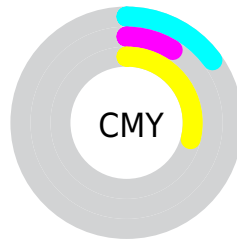
- Red (85%)
- Green (91%)
- Blue (71%)



- Red (71%)
- Yellow (91%)
- Blue (77%)



- Cyan (6%)
- Magenta (0%)
- Yellow (22%)
- Black (9%)



- Cyan (15%)
- Magenta (9%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 65.8124, 75.8011, 54.8785 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 65.8124, 75.8011, 54.8785 by changing the saturation by 10% instead.




 65.8124, 75.8011,  
54.8785

 65.8124, 75.8011,  
54.8785

435.2049,  
480.6666, 422.7202

 48.3873, 56.2694,  
38.9065


 112.2763,  
127.4457, 98.8323

 34.3462, 40.4190,  
26.3797


142.0457,  
160.3274, 127.6512

 23.3238, 27.8654,  
16.8796


176.6606,  
198.4280, 161.5894

 14.9548, 18.2242,  
9.9877

216.4864,  
242.1317, 201.0656

 8.8738, 11.1111,  
5.2853

261.8883,  
291.8230, 246.4982

 4.7154, 6.1416,  
2.3539

313.2318,

 2.1143, 2.9314,

347.8864, 298.3058

0.7612

370.8822,  
410.7061, 356.9069

■ 0.6970, 1.0960,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 65.8124, 75.8011,  
54.8785

■ 65.8124, 75.8011,  
54.8785

■ 61.6410, 73.9055,  
43.2746

■ 70.4682, 77.9052,  
68.5774

■ 57.9274, 72.2001,  
33.6576

■ 75.6216, 80.2156,  
84.4626

■ 54.6512, 70.6791,  
25.9168

■ 81.2928, 82.7431,  
102.6261

■ 51.7881, 69.3327,  
19.9290

■ 84.3213, 84.2235,  
106.4203

■ 49.3108, 68.1498,  
15.5562

■ 86.7378, 85.4692,  
106.5334

■ 47.1880, 67.1178,  
12.6396

■ 88.1482, 86.1963,  
106.5994

■ 45.3825, 66.2217,  
10.9884

■ 44.1169, 65.5825,  
10.3335

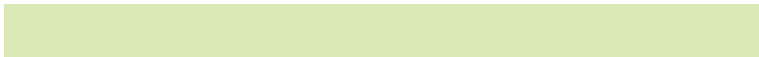
# Harmonies

## Analogous

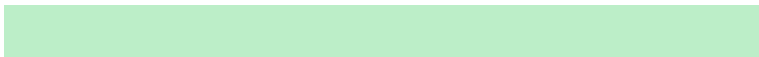
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.9819, 75.8011, 51.1723



65.8124, 75.8011, 54.8785



61.5424, 75.8011, 65.7473

# Triad

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



65.8124, 75.8011, 54.8785



65.9181, 75.8011, 118.4368



85.5460, 75.8011, 82.3492

# Complementary

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



65.8124, 75.8011, 54.8785



53.8573, 50.6118, 83.2785

# Split Complementary

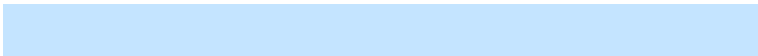
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.6830, 75.8011, 101.9605



65.8124, 75.8011, 54.8785



72.1115, 75.8011, 124.6403

# Square

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



65.8124, 75.8011, 54.8785



61.6007, 75.8011, 102.3308



78.6627, 75.8011, 118.2010



83.6115, 75.8011, 65.4716



# Rectangle

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



65.8124, 75.8011, 54.8785



60.2094, 75.8011, 76.5357



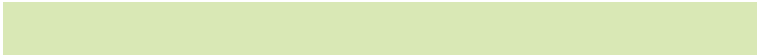
78.6627, 75.8011, 118.2010



85.3419, 75.8011, 88.8389

# Sweetspot

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



65.8144, 75.8044, 54.8801



90.4023, 97.9208, 94.3716



61.2380, 59.7266, 52.0180



19.2672, 20.9220, 19.9451



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

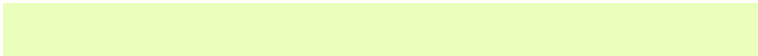


# Same Dimension

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



65.8144, 75.8044, 54.8801



79.3375, 92.9277, 61.7289



58.9505, 72.2660, 54.5589



15.1670, 16.5932, 15.3079



24.6224, 36.4748, 5.7426



1.9113, 2.7427, 0.4287



# Inverse Universe

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



53.8573, 50.6118, 83.2785



62.2531, 56.9258, 102.3144



60.8956, 54.2402, 83.6079



13.9793, 14.0915, 18.1275



9.5289, 3.9782, 42.6488

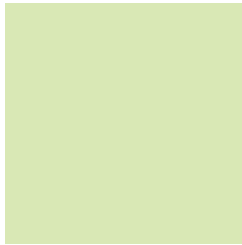


0.7946, 0.3406, 3.1558



# Previews

## White Background



This preview shows how the XYZ color 65.8124, 75.8011, 54.8785 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 65.8124, 75.8011, 54.8785 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

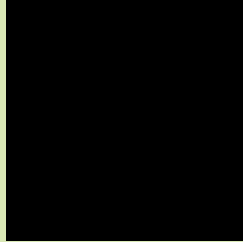
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

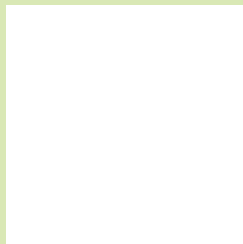
If you want to check with other color combinations, try the [Color Contrast Checker](#).

# XYZ 65.8124, 75.8011, 54.8785

## Background



This preview shows how black text looks on a background with the XYZ color 65.8124, 75.8011, 54.8785.



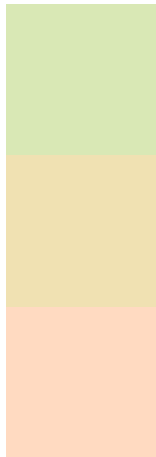
This preview shows how white text looks on a background with the XYZ color 65.8124, 75.8011,



# 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

65.8124, 75.8011, 54.8785

### Protanopia

70.8963, 75.5900, 52.9732

### Deuteranopia

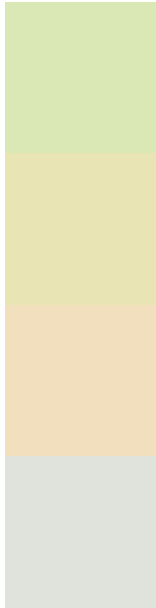
75.9370, 75.2531, 60.9751



## Tritanopia

74.0467, 75.8909, 94.7501

# Trichromacy



## Original Color

65.8124, 75.8011, 54.8785

## Protanomaly

69.1588, 75.8973, 53.6524

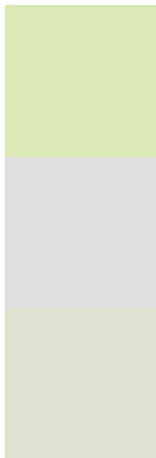
## Deuteranomaly

71.8486, 75.1502, 58.8627

## Tritanomaly

70.8188, 75.7935, 78.6072

# Monochromacy



## Original Color

65.8124, 75.8011, 54.8785

## Achromatopsia

69.4303, 73.0461, 79.5472

## Achromatomaly

67.9740, 74.1134, 69.7542

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 65.8124, 75.8011, 54.8785 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(217, 232, 181)` looks like.

```
.text, #text, p{  
    color:rgb(217, 232, 181)  
}
```

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(217, 232, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 232, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 65.8124, 75.8011, 54.8785 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(217, 232, 181) }
```



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

```
.border{ border-color:rgb(217, 232, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 232, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 232, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 232, 181);  
box-shadow:4px 4px 4px 4px rgb(217, 232,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 65.8124, 75.8011, 54.8785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 232, 181) }
```

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

```
.background{ background-color: rgb(217,  
232, 181) }
```

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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