

# Converting Colors

XYZ(48.6456, 65.5324, 23.9039)

Have a look what the booklet for  
XYZ(48.6456, 65.5324, 23.9039)  
contains.

<b>XYZ(48.7133, 65.5834, 24.0013)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(48.7133, 65.5834,  
24.0013)**

# Conversions

## Conversions Part 1

Format	Color
Hex	B3E36B
RGB	179, 227, 107
RGB Percent	70%, 89%, 42%
CMY	0.2980, 0.1098, 0.5804
CMYK	0.21, 0.00, 0.53, 0.11
HSL	84°, 68%, 65%
HSV	84°, 53%, 89%
XYZ	48.7133, 65.5834, 24.0013
YIQ	198.9680, 9.9120, -47.4960

# Conversions

## Conversions Part 2

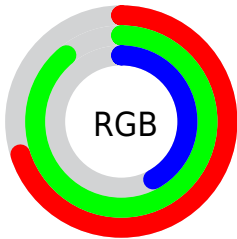
<b>Format</b>	<b>Color</b>
<b>RYB</b>	107, 227, 155
Decimal	11789163
CIELab	84.78, -34.28, 52.95
CIELCh	85, 63.076, 122.917
Yxy	65.5834, 0.3522, 0.4742
Android (android.graphics.Color)	4289979243 (0xFFB3E36B)
YUV	198.9680, -45.3402, -17.5119
Hunter-Lab	80.9836, -34.3498, 39.1166

# Details

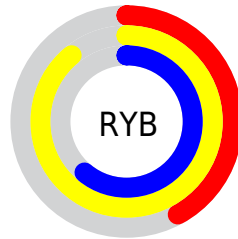
The XYZ color **48.7133, 65.5834, 24.0013** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **32.6431, 23.0318, 75.4019**, and the grayscale version is **54.5324, 57.3724, 62.4785**.

A 20% lighter version of the original color is **77.1181, 92.0977, 47.4303**, and **23.3971, 33.6031, 8.7429** is the 20% darker color. If you saturate the color by 10%, you get **45.6426, 64.1228, 18.4211**, and if you desaturate by 10%, it is **52.2389, 67.2464, 31.2416**.

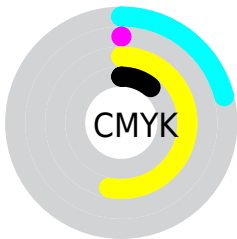
# Distribution



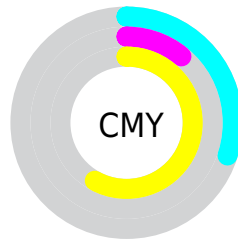
- Red (70%)
- Green (89%)
- Blue (42%)



- Red (42%)
- Yellow (89%)
- Blue (61%)



- Cyan (21%)
- Magenta (0%)
- Yellow (53%)
- Black (11%)




- Cyan (30%)
- Magenta (11%)
- Yellow (58%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.7133, 65.5834, 24.0013 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 48.7133, 65.5834, 24.0013 by changing the saturation by 10% instead.





 48.7133, 65.5834,  
24.0013

 48.7133, 65.5834,  
24.0013


372.1483,  
444.8855, 286.1138

 34.6057, 47.9343,  
15.1224


 87.4688, 112.8882,  
50.9762


 23.5244, 33.7749,  
8.7577


 112.8474,  
143.3127, 69.9092

 15.1040, 22.7207,  
4.4889


 142.7137,  
178.7644, 93.0307

 8.9792, 14.3874,  
1.8972

 177.4330,  
219.6278, 120.7592

 4.7846, 8.3906,  
0.4909

217.3708,  
266.2871, 153.5132

 2.1549, 4.3459,  
0.0000

262.8924,

 0.7188, 1.8689,

319.1270, 191.7113

0.0000

314.3631,  
378.5316, 235.7720

0.0000, 0.5296,  
0.0000

0.0000, 0.0000,  
0.0000

48.7133, 65.5834,  
24.0013

48.7133, 65.5834,  
24.0013

45.6426, 64.1228,  
18.4211

52.2389, 67.2464,  
31.2416

42.9944, 62.8447,  
14.3646


56.2396, 69.1135,  
40.2558


40.7385, 61.7388,  
11.6806


60.7398, 71.1969,  
51.1525


38.8371, 60.7897,  
10.1848


65.7607, 73.5054,  
64.0305


 37.6554, 60.1915,  
9.6335

 71.3221, 76.0473,  
78.9815

 77.4426, 78.8302,  
96.0916

 82.3335, 81.1388,  
105.9297

 85.5382, 82.7909,  
106.0796

 86.7605, 83.4210,  
106.1368

# Harmonies

## Analogous

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



60.9635, 65.5834, 18.4989



48.7133, 65.5834, 24.0013



41.1503, 65.5834, 41.5336

# Triad

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



48.7133, 65.5834, 24.0013



50.7721, 65.5834, 165.4328



93.5750, 65.5834, 67.5247

# Complementary

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



48.7133, 65.5834, 24.0013



32.6431, 23.0318, 75.4019

# 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.



89.7704, 65.5834, 112.9869



48.7133, 65.5834, 24.0013



63.7270, 65.5834, 180.6286

# Square

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



48.7133, 65.5834, 24.0013



42.2068, 65.5834, 122.5514



78.2853, 65.5834, 158.6007



88.0198, 65.5834, 36.9386



# Rectangle

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



48.7133, 65.5834, 24.0013



39.0856, 65.5834, 62.2430



78.2853, 65.5834, 158.6007



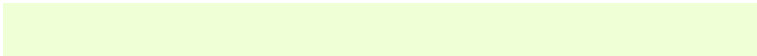
93.3496, 65.5834, 81.4337

# Sweetspot

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



48.7149, 65.5863, 24.0027



83.4113, 94.6801, 77.6312



46.0562, 40.8374, 19.3658



17.5614, 20.1312, 15.8646



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.



48.7149, 65.5863, 24.0027



59.2151, 83.3763, 23.6445



37.7327, 59.9248, 23.4888



15.0146, 16.5146, 15.3007



22.0947, 35.1717, 5.6243



1.7369, 2.6528, 0.4205



# Inverse Universe

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



32.6431, 23.0318, 75.4019



36.3060, 22.6195, 97.0602



47.1497, 30.5102, 76.0808



14.1258, 14.1671, 18.1343



10.7147, 4.5895, 42.7043



0.8943, 0.3920, 3.1605



# Previews

## White Background



This preview shows how the XYZ color 48.7133, 65.5834, 24.0013 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 48.7133, 65.5834, 24.0013 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 48.7133, 65.5834, 24.0013**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.7133, 65.5834, 24.0013.



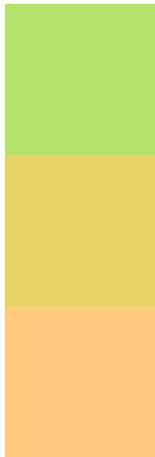
This preview shows how white text looks on a background with the XYZ color 48.7133, 65.5834,



# 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

48.7133, 65.5834, 24.0013

### Protanopia

59.6242, 65.0403, 21.9819

### Deuteranopia

66.0622, 64.9817, 28.4629



## Tritanopia

60.9760, 65.4648, 85.0235

# Trichromacy



## Original Color

48.7133, 65.5834, 24.0013

## Protanomaly

55.0431, 64.9213, 22.7267

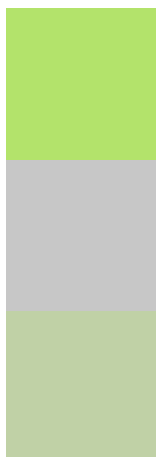
## Deuteranomaly

58.2428, 64.2274, 26.4669

## Tritanomaly

55.1807, 65.0270, 56.0975

# Monochromacy



## Original Color

48.7133, 65.5834, 24.0013

## Achromatopsia

54.2854, 57.1125, 62.1955

## Achromatomaly

51.4216, 59.5606, 44.8625

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.7133, 65.5834, 24.0013 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(179, 227, 107)` looks like.

```
.text, #text, p{  
    color:rgb(179, 227, 107)  
}
```

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(179, 227, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 227, 107) }
```

## Border

The CSS property to change the border of an element to XYZ 48.7133, 65.5834, 24.0013 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(179, 227, 107) }
```



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

```
.border{ border-color:rgb(179, 227, 107) }
```

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

Here you see how a box with a 4 pixel rgb(179, 227, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 227, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 227, 107);  
box-shadow:4px 4px 4px 4px rgb(179, 227,  
107) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.7133, 65.5834, 24.0013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 227, 107) }
```

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

```
.background{ background-color: rgb(179,  
227, 107) }
```

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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