

# Converting Colors

XYZ(48.4923, 60.0290, 25.8467)

Have a look what the booklet for  
XYZ(48.4923, 60.0290, 25.8467)  
contains.

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# Color

**XYZ(48.4910, 59.9492,  
25.8452)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BFD575
RGB	191, 213, 117
RGB Percent	75%, 84%, 46%
CMY	0.2510, 0.1647, 0.5412
CMYK	0.10, 0.00, 0.45, 0.16
HSL	74°, 53%, 65%
HSV	74°, 45%, 84%
XYZ	48.4910, 59.9492, 25.8452
YIQ	195.4780, 17.7040, -34.5200

# Conversions

## Conversions Part 2

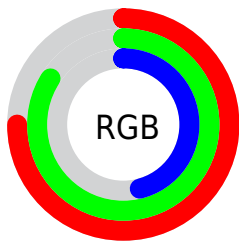
Format	Color
<a href="#">RYB</a>	<a href="#">117, 213, 139</a>
Decimal	<a href="#">12572021</a>
CIELab	<a href="#">81.81, -22.07, 44.81</a>
CIElCh	<a href="#">82, 49.947, 116.226</a>
Yxy	<a href="#">59.9492, 0.3611, 0.4464</a>
Android (android.graphics.Color)	<a href="#">4290762101</a> ( <a href="#">0xFFBFD575</a> )
YUV	<a href="#">195.4780, -38.6897, -3.9272</a>
Hunter-Lab	<a href="#">77.4269, -23.7058, 34.4077</a>

# Details

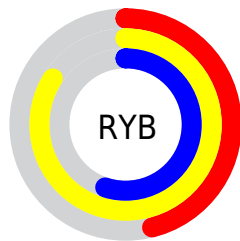
The XYZ color **48.4910, 59.9492, 25.8452** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **29.0212, 23.0172, 65.8674**, and the grayscale version is **52.3748, 55.1024, 60.0065**.

A 20% lighter version of the original color is **82.1776, 94.6000, 52.4565**, and **23.3636, 30.0813, 9.7291** is the 20% darker color. If you saturate the color by 10%, you get **46.1715, 58.8840, 19.9268**, and if you desaturate by 10%, it is **51.1394, 61.1549, 33.2687**.

# Distribution



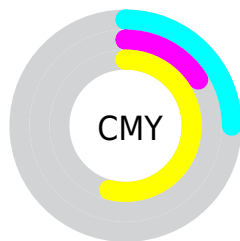
- Red (75%)
- Green (84%)
- Blue (46%)



- Red (46%)
- Yellow (84%)
- Blue (55%)



- Cyan (10%)
- Magenta (0%)
- Yellow (45%)
- Black (16%)




- Cyan (25%)
- Magenta (16%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4910, 59.9492, 25.8452 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 48.4910, 59.9492, 25.8452 by changing the saturation by 10% instead.





 48.4910, 59.9492,  
25.8452


 48.4910, 59.9492,  
25.8452


371.2853,  
424.4105, 295.6026


 34.4287, 43.3777,  
16.4831


 87.1403, 104.7560,  
54.0061

 23.3876, 30.1816,  
9.7086


 112.4580,  
133.7600, 73.6421

 15.0022, 19.9764,  
5.1031


 142.2583,  
167.6770, 97.5397

 8.9073, 12.3779,  
2.2481

176.9065,  
206.8914, 126.1176

 4.7374, 7.0016,  
0.7019

216.7679,  
251.7876, 159.7943

 2.1272, 3.4631,  
0.0000

262.2080,

 0.7039, 1.3780,

302.7499, 198.9884

0.0000

313.5920,  
360.1627, 244.1183

■ 0.0000, 0.2004,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 48.4910, 59.9492,  
25.8452

■ 48.4910, 59.9492,  
25.8452

■ 46.1715, 58.8840,  
19.9268

■ 51.1394, 61.1549,  
33.2687

■ 44.1564, 57.9432,  
15.4066


■ 54.1303, 62.5002,  
42.2870


■ 42.4249, 57.1204,  
12.1697


■ 57.4819, 63.9947,  
52.9871


■ 40.9508, 56.4052,  
10.0813


■ 61.2098, 65.6446,  
65.4488


 39.7026, 55.7848,  
8.9766


 65.3285, 67.4556,  
79.7467

 39.1429, 55.5029,  
8.6501

 69.8517, 69.4334,  
95.9512

 72.9520, 70.8470,  
104.4376

 74.4976, 71.6438,  
104.5099

 76.0871, 72.4633,  
104.5843

# Harmonies

## Analogous

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



58.3235, 59.9492, 22.8201



48.4910, 59.9492, 25.8452



41.7495, 59.9492, 38.0490

# Triad

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



48.4910, 59.9492, 25.8452



46.4468, 59.9492, 126.3282



79.6705, 59.9492, 69.1674

# Complementary

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



48.4910, 59.9492, 25.8452



29.0212, 23.0172, 65.8674

# 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.



75.5258, 59.9492, 103.1178



48.4910, 59.9492, 25.8452



55.6571, 59.9492, 141.9361

# Square

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



48.4910, 59.9492, 25.8452



40.6754, 59.9492, 94.4054



66.4059, 59.9492, 132.3508



77.1459, 59.9492, 42.8527



# Rectangle

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



48.4910, 59.9492, 25.8452



39.4872, 59.9492, 52.4159



66.4059, 59.9492, 132.3508



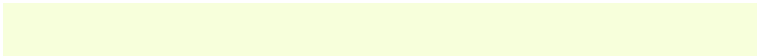
78.9990, 59.9492, 80.0808

# Sweetspot

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



48.4925, 59.9519, 25.8465



86.8790, 96.3912, 81.2514



39.7134, 33.5518, 21.2135



18.3481, 20.5217, 16.5820



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.



48.4925, 59.9519, 25.8465



69.5549, 88.5690, 30.3518



38.5437, 54.8231, 25.3809



13.1816, 14.3698, 13.2396



24.0017, 33.9497, 5.2879



1.5172, 2.0835, 0.3222



# Inverse Universe

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



29.0212, 23.0172, 65.8674



36.8157, 26.3893, 97.7610



38.5747, 27.9422, 66.3145



12.0063, 12.1447, 15.6489



8.1792, 3.3690, 38.6724



0.5669, 0.2411, 2.3360



# Previews

## White Background



This preview shows how the XYZ color 48.4910, 59.9492, 25.8452 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 48.4910, 59.9492, 25.8452 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

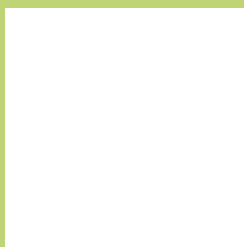
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 48.4910, 59.9492, 25.8452**

## **Background**



This preview shows how black text looks on a background with the XYZ color 48.4910, 59.9492, 25.8452.



This preview shows how white text looks on a background with the XYZ color 48.4910, 59.9492,

25.8452.

# 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

48.4910, 59.9492, 25.8452

### Protanopia

54.7680, 59.5921, 24.2386

### Deuteranopia

60.8107, 59.5815, 26.7077



## Tritanopia

58.0396, 59.4796, 74.0673

# Trichromacy



## Original Color

48.4910, 59.9492, 25.8452

## Protanomaly

52.2141, 59.6894, 24.6888

## Deuteranomaly

55.6408, 59.2981, 26.2824

## Tritanomaly

53.7250, 59.1410, 52.2998

# Monochromacy



## Original Color

48.4910, 59.9492, 25.8452

## Achromatopsia

51.8711, 54.5724, 59.4294

## Achromatomaly

50.3437, 56.5004, 44.8115

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 48.4910, 59.9492, 25.8452 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(191, 213, 117)` looks like.

```
.text, #text, p{  
    color:rgb(191, 213, 117)  
}
```

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(191, 213, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 213, 117) }
```

## Border

The CSS property to change the border of an element to XYZ 48.4910, 59.9492, 25.8452 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(191, 213, 117) }
```



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

```
.border{ border-color:rgb(191, 213, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 213, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 213, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 213, 117);  
box-shadow:4px 4px 4px 4px rgb(191, 213,  
117) }
```

# Background

The CSS property to change the background color of an element to XYZ 48.4910, 59.9492, 25.8452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 213, 117) }
```

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

```
.background{ background-color: rgb(191,  
213, 117) }
```

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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