

# Converting Colors

XYZ(50.8550, 62.5104, 29.6356)

Have a look what the booklet for  
XYZ(50.8550, 62.5104, 29.6356)  
contains.

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# Color

**XYZ(50.9573, 62.6536,  
29.8297)**

# Conversions

## Conversions Part 1

Format	Color
Hex	C2D980
RGB	194, 217, 128
RGB Percent	76%, 85%, 50%
CMY	0.2392, 0.1490, 0.4980
CMYK	0.11, 0.00, 0.41, 0.15
HSL	76°, 54%, 68%
HSV	76°, 41%, 85%
XYZ	50.9573, 62.6536, 29.8297
YIQ	199.9770, 14.8610, -32.5550

# Conversions

## Conversions Part 2

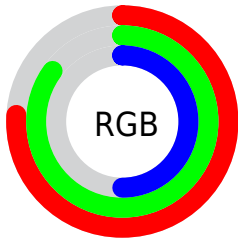
Format	Color
R <sub>YB</sub>	128, 217, 151
Decimal	12769664
CIE <sub>Lab</sub>	83.26, -21.66, 41.24
CIE <sub>LCh</sub>	83, 46.583, 117.705
Yxy	62.6536, 0.3553, 0.4368
Android (android.graphics.Color)	4290959744 (0xFFC2D980)
YUV	199.9770, -35.4847, -5.2418
Hunter-Lab	79.1540, -23.6059, 33.0640

# Details

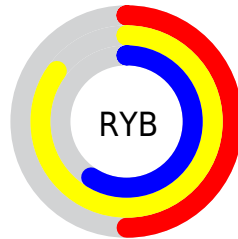
The XYZ color **50.9573, 62.6536, 29.8297** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **33.0085, 27.0291, 69.1267**, and the grayscale version is **55.0922, 57.9613, 63.1198**.

A 20% lighter version of the original color is **84.3484, 95.5928, 58.2616**, and **24.9073, 31.8655, 11.8591** is the 20% darker color. If you saturate the color by 10%, you get **48.2670, 61.4165, 23.0288**, and if you desaturate by 10%, it is **54.0105, 64.0465, 38.2445**.

# Distribution



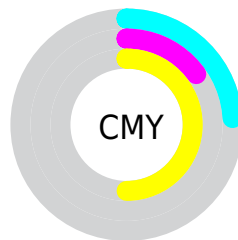
- Red (76%)
- Green (85%)
- Blue (50%)



- Red (50%)
- Yellow (85%)
- Blue (59%)



- Cyan (11%)
- Magenta (0%)
- Yellow (41%)
- Black (15%)




- Cyan (24%)
- Magenta (15%)
- Yellow (50%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.9573, 62.6536, 29.8297 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 50.9573, 62.6536, 29.8297 by changing the saturation by 10% instead.





 50.9573, 62.6536,  
29.8297


 50.9573, 62.6536,  
29.8297


380.7883,  
434.3112, 315.2924


 36.3955, 45.5610,  
19.4584


 90.7750, 108.6696,  
60.4506

 24.9113, 31.8996,  
11.8218

 116.7617,  
138.3618, 81.5372

 16.1394, 21.2848,  
6.5014


 147.2873,  
173.0227, 107.0328

 9.7143, 13.3323,  
3.0786

182.7174,  
213.0367, 137.3557

 5.2708, 7.6578,  
1.1349

223.4171,  
258.7882, 172.9246

 2.4434, 3.8768,  
0.0000

269.7520,

 0.8668, 1.6049,

310.6615, 214.1580

0.0000

322.0872,  
369.0410, 261.4744

0.0000, 0.3609,  
0.0000

0.0000, 0.0000,  
0.0000

50.9573, 62.6536,  
29.8297

50.9573, 62.6536,  
29.8297

48.2670, 61.4165,  
23.0288

54.0105, 64.0465,  
38.2445

45.9147, 60.3186,  
17.7342


57.4406, 65.5944,  
48.3636


43.8795, 59.3537,  
13.8318


61.2660, 67.3068,  
60.2755

42.1356, 58.5113,  
11.1892


65.5029, 69.1902,  
74.0611


 40.6525, 57.7793,  
9.6486


 70.1663, 71.2508,  
89.7969

 39.4949, 57.1966,  
8.9585

 74.7497, 73.2860,  
104.8136

 76.5547, 74.2165,  
104.8981

 78.4179, 75.1771,  
104.9853

 80.3399, 76.1679,  
105.0752

# Harmonies

## Analogous

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



60.3328, 62.6536, 26.3234



50.9573, 62.6536, 29.8297



44.5750, 62.6536, 42.5745

# Triad

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



50.9573, 62.6536, 29.8297



49.7507, 62.6536, 126.9739



81.1770, 62.6536, 70.4747

# Complementary

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



50.9573, 62.6536, 29.8297



33.0085, 27.0291, 69.1267

# 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.



77.5522, 62.6536, 102.5207



50.9573, 62.6536, 29.8297



58.7747, 62.6536, 140.3924

# Square

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



50.9573, 62.6536, 29.8297



43.9358, 62.6536, 97.5335



69.0589, 62.6536, 130.3799



78.4850, 62.6536, 45.4595



# Rectangle

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



50.9573, 62.6536, 29.8297



42.4954, 62.6536, 57.0305



69.0589, 62.6536, 130.3799



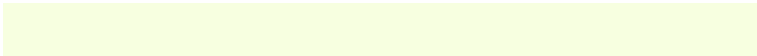
80.6489, 62.6536, 80.7830

# Sweetspot

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



50.9588, 62.6564, 29.8310



87.6586, 96.7142, 84.8534



43.4601, 38.2047, 25.5066



18.6017, 20.6290, 17.6535



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.



50.9588, 62.6564, 29.8310



70.1327, 88.7739, 34.5754



41.3350, 57.6951, 29.3806



13.8166, 15.0857, 13.9092



24.0100, 34.6751, 5.4275



1.6340, 2.2869, 0.3553



# Inverse Universe

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



33.0085, 27.0291, 69.1267



41.0101, 30.9163, 98.4137



42.6869, 32.0185, 69.5796



12.6527, 12.7791, 16.4519



8.6559, 3.5865, 39.9744

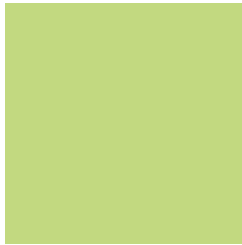


0.6409, 0.2737, 2.5935



# Previews

## White Background



This preview shows how the XYZ color 50.9573, 62.6536, 29.8297 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 50.9573, 62.6536, 29.8297 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 50.9573, 62.6536, 29.8297**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.9573, 62.6536, 29.8297.



This preview shows how white text looks on a background with the XYZ color 50.9573, 62.6536,



# 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

50.9573, 62.6536, 29.8297

### Protanopia

57.3149, 62.2496, 28.0633

### Deuteranopia

63.4259, 62.1938, 30.4915



## Tritanopia

60.7097, 62.5384, 77.9786

# Trichromacy



## Original Color

50.9573, 62.6536, 29.8297

## Protanomaly

54.7275, 62.3653, 28.5553

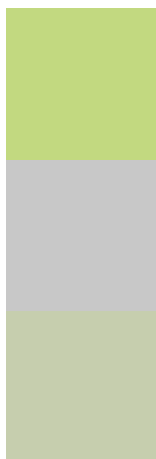
## Deuteranomaly

58.2412, 61.9594, 30.3624

## Tritanomaly

56.4808, 62.2806, 56.6215

# Monochromacy



## Original Color

50.9573, 62.6536, 29.8297

## Achromatopsia

54.8990, 57.7580, 62.8985

## Achromatomaly

53.0000, 59.2044, 48.6786

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.9573, 62.6536, 29.8297 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(194, 217, 128)` looks like.

```
.text, #text, p{  
    color:rgb(194, 217, 128)  
}
```

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(194, 217, 128) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 217, 128) }
```

## Border

The CSS property to change the border of an element to XYZ 50.9573, 62.6536, 29.8297 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(194, 217, 128) }
```



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

```
.border{ border-color:rgb(194, 217, 128) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 217, 128)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(194, 217, 128); -webkit-box-shadow:4px 4px 4px 4px rgb(194, 217, 128); box-shadow:4px 4px 4px 4px rgb(194, 217, 128) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.9573, 62.6536, 29.8297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 217, 128) }
```

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

```
.background{ background-color: rgb(194,  
217, 128) }
```

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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