

# Converting Colors

XYZ(44.7250, 58.3906, 28.7800)

Have a look what the booklet for  
XYZ(44.7250, 58.3906, 28.7800)  
contains.

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# Color

**XYZ(44.6070, 58.2574,  
28.6324)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ABD67E
RGB	171, 214, 126
RGB Percent	67%, 84%, 49%
CMY	0.3294, 0.1608, 0.5059
CMYK	0.20, 0.00, 0.41, 0.16
HSL	89°, 52%, 67%
HSV	89°, 41%, 84%
XYZ	44.6070, 58.2574, 28.6324
YIQ	191.1110, 2.6200, -36.4840

# Conversions

## Conversions Part 2

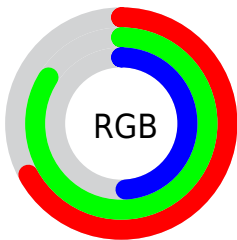
<b>Format</b>	<b>Color</b>
<b>RYB</b>	126, 214, 169
Decimal	11261566
CIELab	80.88, -29.03, 38.90
CIElCh	81, 48.543, 126.733
Yxy	58.2574, 0.3392, 0.4430
Android (android.graphics.Color)	4289451646 (0xFFABD67E)
YUV	191.1110, -32.0997, -17.6373
Hunter-Lab	76.3265, -29.2519, 31.1871

# Details

The XYZ color **44.6070, 58.2574, 28.6324** is a light color, and the websafe version is hex **99CC66**. A complement of this color would be **35.9631, 28.2134, 67.1719**, and the grayscale version is **49.7663, 52.3580, 57.0179**.

A 20% lighter version of the original color is **75.9931, 91.3093, 56.7992**, and **21.0043, 29.0862, 11.1638** is the 20% darker color. If you saturate the color by 10%, you get **41.1830, 56.6369, 22.0190**, and if you desaturate by 10%, it is **48.5096, 60.0941, 36.8124**.

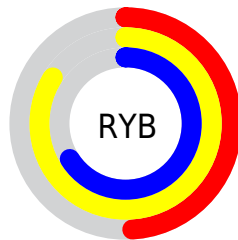
# Distribution



Red (67%)

Green (84%)

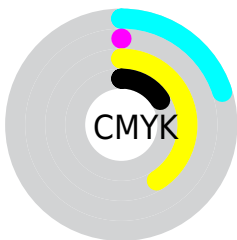
Blue (49%)



Red (49%)

Yellow (84%)

Blue (66%)

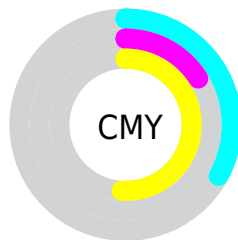


Cyan (20%)

Magenta (0%)

Yellow (41%)

Black (16%)



Cyan (33%)

Magenta (16%)

Yellow (51%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 44.6070, 58.2574, 28.6324 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 44.6070, 58.2574, 28.6324 by changing the saturation by 10% instead.



■ 44.6070, 58.2574,  
28.6324

■ 44.6070, 58.2574,  
28.6324

355.9901,  
418.1444, 309.4830

■ 31.3479, 42.0156,  
18.5597

■ 81.3711, 102.2976,  
58.5277

■ 21.0171, 29.1135,  
11.1790

■ 105.6068,  
130.8648, 79.1875

■ 13.2490, 19.1667,  
6.0717

■ 134.2321,  
164.3093, 104.2133

■ 7.6784, 11.7908,  
2.8192

167.6124,  
203.0154, 134.0238

■ 3.9399, 6.6014,  
1.0031

206.1129,  
247.3676, 169.0375

■ 1.6682, 3.2141,  
0.0000

250.0992,

■ 0.4362, 1.2445,

297.7502, 209.6729

0.0000

299.9364,  
354.5477, 256.3485

■ 0.0000, 0.0976,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 44.6070, 58.2574,  
28.6324

■ 44.6070, 58.2574,  
28.6324

■ 41.1830, 56.6369,  
22.0190

■ 48.5096, 60.0941,  
36.8124

■ 38.2101, 55.2153,  
16.8682


■ 52.9077, 62.1483,  
46.6467


■ 35.6642, 53.9842,  
13.0691


■ 57.8228, 64.4310,  
58.2209


■ 33.5165, 52.9319,  
10.4937


■ 63.2734, 66.9501,  
71.6138


 31.7334, 52.0441,  
8.9891


 69.2772, 69.7131,  
86.8991

 30.4070, 51.3739,  
8.3135

 75.8511, 72.7271,  
104.1466

 79.4774, 74.5855,  
104.8153

 83.2141, 76.5118,  
104.9901

 83.3378, 76.5756,  
104.9959

# Harmonies

## Analogous

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



53.1385, 58.2574, 22.8369



44.6070, 58.2574, 28.6324



39.4591, 58.2574, 43.9990

# Triad

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



44.6070, 58.2574, 28.6324



48.0891, 58.2574, 129.0091



76.8480, 58.2574, 57.1666

# Complementary

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



44.6070, 58.2574, 28.6324



35.9631, 28.2134, 67.1719

# 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.



75.0736, 58.2574, 87.8813



44.6070, 58.2574, 28.6324



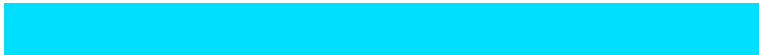
57.6670, 58.2574, 135.7296

# Square

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



44.6070, 58.2574, 28.6324



41.2932, 58.2574, 102.5908



67.7428, 58.2574, 118.8777



72.3341, 58.2574, 35.7722



# Rectangle

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



44.6070, 58.2574, 28.6324



38.2440, 58.2574, 60.3330



67.7428, 58.2574, 118.8777



76.9747, 58.2574, 66.6362

# Sweetspot

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



44.6084, 58.2599, 28.6337



85.2198, 95.4570, 84.7392



45.6010, 44.0072, 25.8303



18.0268, 20.3326, 17.6266



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

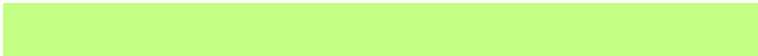


# Same Dimension

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



44.6084, 58.2599, 28.6337



62.0253, 84.5944, 34.1960



36.6363, 54.1501, 28.2606



12.8618, 14.2050, 13.2246



18.4987, 31.1128, 5.0304



1.2112, 1.9258, 0.3079



# Inverse Universe

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



35.9631, 28.2134, 67.1719



47.5529, 34.2892, 98.7199



46.9062, 33.8548, 67.6840



12.3146, 12.3036, 15.6633



10.9471, 4.7959, 38.8019

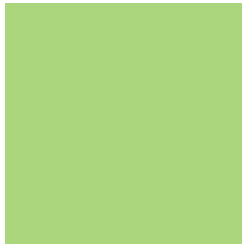


0.7557, 0.3384, 2.3448



# Previews

## White Background



This preview shows how the XYZ color 44.6070, 58.2574, 28.6324 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 44.6070, 58.2574, 28.6324 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 44.6070, 58.2574, 28.6324**

## **Background**



This preview shows how black text looks on a background with the XYZ color 44.6070, 58.2574, 28.6324.



This preview shows how white text looks on a background with the XYZ color 44.6070, 58.2574,



# 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

44.6070, 58.2574, 28.6324

### Protanopia

53.3189, 57.7491, 26.4256

### Deuteranopia

59.0032, 57.6011, 29.4810



## Tritanopia

53.9093, 58.0167, 75.3749

# Trichromacy



## Original Color

44.6070, 58.2574, 28.6324

## Protanomaly

49.7636, 57.6493, 27.2435

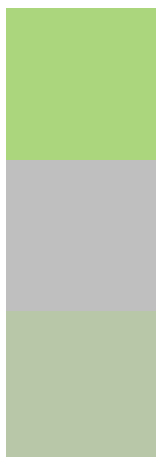
## Deuteranomaly

52.7048, 57.0308, 28.9991

## Tritanomaly

49.6602, 57.7121, 54.4211

# Monochromacy



## Original Color

44.6070, 58.2574, 28.6324

## Achromatopsia

49.5206, 52.0996, 56.7364

## Achromatomaly

47.1656, 53.8272, 44.4630

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 44.6070, 58.2574, 28.6324 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(171, 214, 126)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 126)  
}
```

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(171, 214, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 126) }
```

## Border

The CSS property to change the border of an element to XYZ 44.6070, 58.2574, 28.6324 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(171, 214, 126) }
```



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

```
.border{ border-color:rgb(171, 214, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 126);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
126) }
```

# Background

The CSS property to change the background color of an element to XYZ 44.6070, 58.2574, 28.6324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 126) }
```

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

```
.background{ background-color: rgb(171,  
214, 126) }
```

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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