

# Converting Colors

XYZ(29.0361, 47.8716, 22.6326)

Have a look what the booklet for  
XYZ(29.0361, 47.8716, 22.6326)  
contains.

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# Color

**XYZ(29.0198, 47.7518,  
22.7264)**

# Conversions

## Conversions Part 1

Format	Color
Hex	56CF6F
RGB	86, 207, 111
RGB Percent	34%, 81%, 44%
CMY	0.6627, 0.1882, 0.5647
CMYK	0.58, 0.00, 0.46, 0.19
HSL	132°, 56%, 57%
HSV	132°, 58%, 81%
XYZ	29.0198, 47.7518, 22.7264
YIQ	159.8770, -41.3000, -55.5080

# Conversions

## Conversions Part 2

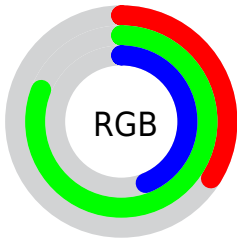
<b>Format</b>	<b>Color</b>
<b>RYB</b>	86, 186, 207
Decimal	5689199
CIELab	74.67, -54.13, 37.69
CIELCh	75, 65.955, 145.152
Yxy	47.7518, 0.2917, 0.4799
Android (android.graphics.Color)	4283879279 (0xFF56CF6F)
YUV	159.8770, -24.0964, -64.7901
Hunter-Lab	69.1027, -45.9683, 28.8727

# Details

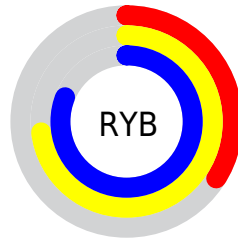
The XYZ color **29.0198, 47.7518, 22.7264** is a dark color, and the websafe version is hex **66CC66**. The color can be described as dark muted spring green. A complement of this color would be **37.5048, 23.2992, 46.7777**, and the grayscale version is **33.4790, 35.2226, 38.3574**.

A 20% lighter version of the original color is **54.1379, 80.2201, 47.7526**, and **11.9089, 22.4701, 8.1244** is the 20% darker color. If you saturate the color by 10%, you get **26.5602, 46.5802, 18.3175**, and if you desaturate by 10%, it is **32.1999, 49.2783, 28.0390**.

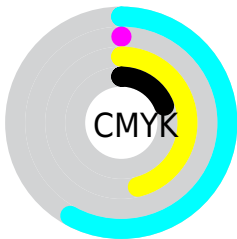
# Distribution



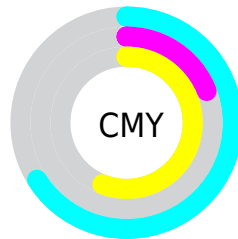
- Red (34%)
- Green (81%)
- Blue (44%)



- Red (34%)
- Yellow (73%)
- Blue (81%)



- Cyan (58%)
- Magenta (0%)
- Yellow (46%)
- Black (19%)




- Cyan (66%)
- Magenta (19%)
- Yellow (56%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.0198, 47.7518, 22.7264 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 29.0198, 47.7518, 22.7264 by changing the saturation by 10% instead.





 29.0198, 47.7518,  
22.7264


 29.0198, 47.7518,  
22.7264


289.3009,  
377.8075, 279.3928


 19.2402, 33.6304,  
14.1882


 57.5059, 86.8347,  
48.8612


 11.9490, 22.6098,  
8.1114


 76.9430, 112.5651,  
67.2948

 6.7809, 14.3056,  
4.0775


 100.3301,  
142.9338, 89.8641

 3.3706, 8.3336,  
1.6680

 128.0323,  
178.3253, 116.9874

 1.3526, 4.3091,  
0.3387

160.4152,  
219.1241, 149.0835

 0.2221, 1.8479,  
0.0000

197.8440,

 0.0000, 0.5168,

265.7144, 186.5707

0.0000

240.6841,  
318.4807, 229.8676

■ 0.0000, 0.0000,  
0.0000

■ 29.0198, 47.7518,  
22.7264

■ 29.0198, 47.7518,  
22.7264

■ 26.5602, 46.5802,  
18.3175

■ 32.1999, 49.2783,  
28.0390

■ 24.7592, 45.7287,  
14.7586

■ 36.1486, 51.1795,  
34.2985

■ 23.5503, 45.1654,  
11.9956

■ 40.9140, 53.4806,  
41.5492

■ 22.8335, 44.8400,  
9.9655

■ 46.5391, 56.2029,  
49.8315

■ 22.7456, 44.8003,  
9.7120

■ 53.0639, 59.3664,  
59.1838

■ 60.5259, 62.9894,  
69.6423

■ 68.9604, 67.0895,  
81.2417

■ 78.4009, 71.6833,  
94.0150

■ 81.6038, 73.1075,  
104.4179

# Harmonies

## Analogous

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



36.3040, 47.7518, 12.2774



29.0198, 47.7518, 22.7264



26.1244, 47.7518, 46.6273

# Triad

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



29.0198, 47.7518, 22.7264



43.4720, 47.7518, 148.9994



69.5263, 47.7518, 28.7391

# Complementary

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



29.0198, 47.7518, 22.7264



37.5048, 23.2992, 46.7777

# 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.



72.3496, 47.7518, 57.7566



29.0198, 47.7518, 22.7264



55.8703, 47.7518, 137.2110

# Square

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



29.0198, 47.7518, 22.7264



33.4818, 47.7518, 126.8605



66.9772, 47.7518, 99.3925



59.8240, 47.7518, 14.5273

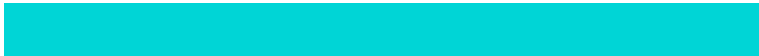


# Rectangle

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



29.0198, 47.7518, 22.7264



26.6233, 47.7518, 71.1612



66.9772, 47.7518, 99.3925



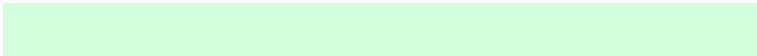
71.3762, 47.7518, 36.6197

# Sweetspot

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



29.0210, 47.7538, 22.7275



74.8142, 90.1825, 80.1948



43.4752, 55.3426, 17.1951



15.4115, 19.0113, 16.2882



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.



29.0210, 47.7538, 22.7275



41.7825, 74.2779, 27.8705



33.4740, 49.5350, 46.1768



11.7548, 13.2457, 13.0652



14.3581, 28.2362, 6.2659



0.8322, 1.5906, 0.5052



# Inverse Universe

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



37.5048, 23.2992, 46.7777



56.5294, 31.5662, 69.5245



32.5927, 21.3343, 20.9107



12.2018, 11.9655, 14.3384



20.4825, 10.0658, 23.2447

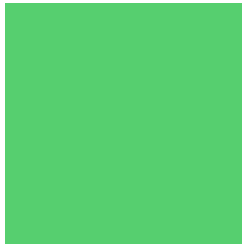


1.1723, 0.5736, 1.4419



# Previews

## White Background



This preview shows how the XYZ color 29.0198, 47.7518, 22.7264 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

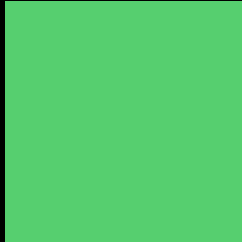
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.0198, 47.7518, 22.7264 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

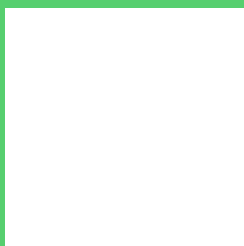
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 29.0198, 47.7518, 22.7264**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.0198, 47.7518, 22.7264.



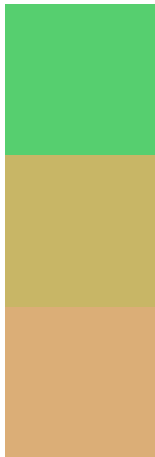
This preview shows how white text looks on a background with the XYZ color 29.0198, 47.7518,



# 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

29.0198, 47.7518, 22.7264

### Protanopia

42.9456, 46.6946, 19.3198

### Deuteranopia

47.6792, 46.6641, 23.9469



## Tritanopia

38.3079, 47.6937, 68.8148

# Trichromacy



## Original Color

29.0198, 47.7518, 22.7264



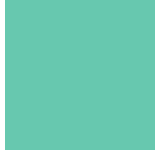
## Protanomaly

35.4787, 45.6525, 20.3065



## Deuteranomaly

37.5059, 45.0367, 23.2392



## Tritanomaly

33.9857, 47.2873, 47.8936

# Monochromacy



## Original Color

29.0198, 47.7518, 22.7264



## Achromatopsia

33.4132, 35.1533, 38.2819



## Achromatomaly

30.2775, 38.3838, 31.4042

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.0198, 47.7518, 22.7264 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(86, 207, 111)` looks like.

```
.text, #text, p{  
    color:rgb(86, 207, 111)  
}
```

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(86, 207, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 207, 111) }
```

## Border

The CSS property to change the border of an element to XYZ 29.0198, 47.7518, 22.7264 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(86, 207, 111) }
```



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

```
.border{ border-color:rgb(86, 207, 111) }
```

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

Here you see how a box with a 4 pixel rgb(86, 207, 111) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 207, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 207, 111);  
box-shadow:4px 4px 4px 4px rgb(86, 207,  
111) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.0198, 47.7518, 22.7264 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 207, 111) }
```

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

```
.background{ background-color: rgb(86, 207,  
111) }
```

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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