

# Converting Colors

XYZ(29.5226, 44.7152, 21.3996)

Have a look what the booklet for  
XYZ(29.5226, 44.7152, 21.3996)  
contains.

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# Color

**XYZ(29.5829, 44.9156,  
21.2978)**

# Conversions

## Conversions Part 1

Format	Color
Hex	70C66C
RGB	112, 198, 108
RGB Percent	44%, 78%, 42%
CMY	0.5608, 0.2235, 0.5765
CMYK	0.43, 0.00, 0.45, 0.22
HSL	117°, 44%, 60%
HSV	117°, 45%, 78%
XYZ	29.5829, 44.9156, 21.2978
YIQ	162.0260, -22.3660, -46.2220

# Conversions

## Conversions Part 2

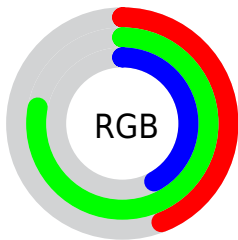
<b>Format</b>	<b>Color</b>
<b>RYB</b>	108, 198, 194
Decimal	7390828
CIELab	72.84, -44.07, 37.07
CIELCh	73, 57.585, 139.930
Yxy	44.9156, 0.3088, 0.4689
Android (android.graphics.Color)	4285580908 (0xFF70C66C)
YUV	162.0260, -26.6348, -43.8728
Hunter-Lab	67.0191, -38.4917, 28.0718

# Details

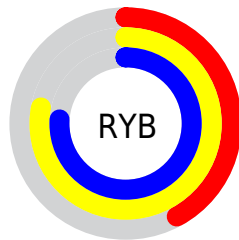
The XYZ color **29.5829, 44.9156, 21.2978** is a dark color, and the websafe version is hex **66CC66**. A complement of this color would be **37.8061, 26.2733, 56.5071**, and the grayscale version is **34.4841, 36.2800, 39.5089**.

A 20% lighter version of the original color is **58.3415, 82.4180, 46.5516**, and **12.2171, 20.7912, 7.3722** is the 20% darker color. If you saturate the color by 10%, you get **26.4871, 43.4292, 16.2632**, and if you desaturate by 10%, it is **33.4262, 46.7623, 27.6185**.

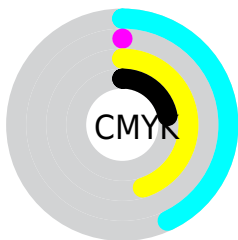
# Distribution



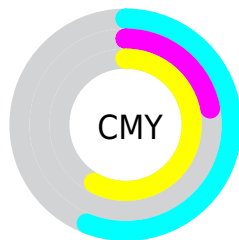
- Red (44%)
- Green (78%)
- Blue (42%)



- Red (42%)
- Yellow (78%)
- Blue (76%)



- Cyan (43%)
- Magenta (0%)
- Yellow (45%)
- Black (22%)



- Cyan (56%)
- Magenta (22%)
- Yellow (58%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.5829, 44.9156, 21.2978 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 29.5829, 44.9156, 21.2978 by changing the saturation by 10% instead.



■ 29.5829, 44.9156,  
21.2978

■ 29.5829, 44.9156,  
21.2978

291.9002,  
366.4316, 271.6898

■ 19.6687, 31.3910,  
13.1485

■ 58.3931, 82.5937,  
46.4698

■ 12.2613, 20.8967,  
7.3990

■ 78.0198, 107.5160,  
64.3297

■ 6.9954, 13.0485,  
3.6306

■ 101.6148,  
137.0063, 86.2634

■ 3.5055, 7.4620,  
1.4250

■ 129.5433,  
171.4490, 112.6896

■ 1.4264, 3.7527,  
0.1611

162.1707,  
211.2285, 144.0268

■ 0.2749, 1.5362,  
0.0000


199.8625,


■ 0.0000, 0.3140,


256.7292, 180.6935


0.0000


242.9838,  
308.3354, 223.1083


 0.0000, 0.0000,  
0.0000


 29.5829, 44.9156,  
21.2978


 29.5829, 44.9156,  
21.2978


 26.4871, 43.4292,  
16.2632


 33.4262, 46.7623,  
27.6185


 24.0869, 42.2744,  
12.4236


 38.0576, 48.9846,  
35.3018


 22.3296, 41.4273,  
9.6812


 43.5188, 51.6038,  
44.4221

 21.1530, 40.8585,  
7.9211


 49.8478, 54.6378,  
55.0473


 20.4826, 40.5325,  
7.0025

 57.0799, 58.1037,  
67.2412

 20.3051, 40.4467,  
6.7368

 65.2487, 62.0174,  
81.0636

 74.3861, 66.3941,  
96.5715

 79.4850, 68.8700,  
103.7117

# Harmonies

## Analogous

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



36.4564, 44.9156, 13.2180



29.5829, 44.9156, 21.2978



26.3966, 44.9156, 39.8808

# Triad

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



29.5829, 44.9156, 21.2978



39.4110, 44.9156, 125.8012



63.4784, 44.9156, 32.4095

# Complementary

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



29.5829, 44.9156, 21.2978



37.8061, 26.2733, 56.5071

# 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.



64.6012, 44.9156, 59.1981



29.5829, 44.9156, 21.2978



49.5986, 44.9156, 121.2504

# Square

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



29.5829, 44.9156, 21.2978



31.4541, 44.9156, 104.4271



59.1915, 44.9156, 93.7002



56.3283, 44.9156, 17.6736

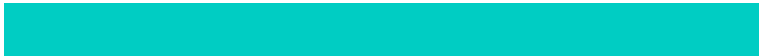


# Rectangle

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



29.5829, 44.9156, 21.2978



26.3907, 44.9156, 59.0477



59.1915, 44.9156, 93.7002



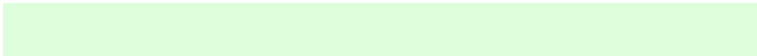
64.6119, 44.9156, 39.9966

# Sweetspot

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



29.5840, 44.9175, 21.2988



78.3697, 92.0045, 80.8532



45.1782, 51.4522, 21.7382



16.2844, 19.4579, 16.4855



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.



29.5840, 44.9175, 21.2988



46.7224, 76.8155, 28.5087



31.7649, 45.7324, 35.3793



10.5403, 11.9100, 11.3061



13.2235, 26.3122, 4.3818



0.6417, 1.2539, 0.2082



# Inverse Universe

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



37.8061, 26.2733, 56.5071



63.1374, 39.5221, 98.9086



34.7815, 25.1835, 35.1518



11.0348, 10.7917, 13.4189



20.3297, 9.7146, 35.5480



0.9773, 0.4676, 1.6839



# Previews

## White Background



This preview shows how the XYZ color 29.5829, 44.9156, 21.2978 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 29.5829, 44.9156, 21.2978 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

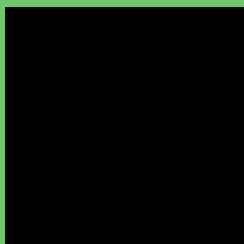
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.5829, 44.9156, 21.2978**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.5829, 44.9156, 21.2978.



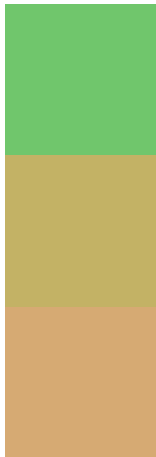
This preview shows how white text looks on a background with the XYZ color 29.5829, 44.9156,



# 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

29.5829, 44.9156, 21.2978

### Protanopia

40.7750, 44.3825, 18.7295

### Deuteranopia

45.2008, 44.2834, 22.3849



## Tritanopia

37.7911, 44.6302, 62.4998

# Trichromacy



## Original Color

29.5829, 44.9156, 21.2978



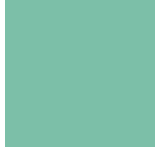
## Protanomaly

35.3647, 43.6967, 19.6671



## Deuteranomaly

37.3774, 43.1595, 21.6898



## Tritanomaly

34.0109, 44.3738, 43.8182

# Monochromacy



## Original Color

29.5829, 44.9156, 21.2978



## Achromatopsia

34.3422, 36.1307, 39.3463



## Achromatomaly

31.7141, 38.5422, 31.3591

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.5829, 44.9156, 21.2978 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(112, 198, 108)` looks like.

```
.text, #text, p{  
    color:rgb(112, 198, 108)  
}
```

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(112, 198, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 198, 108) }
```

## Border

The CSS property to change the border of an element to XYZ 29.5829, 44.9156, 21.2978 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(112, 198, 108) }
```



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

```
.border{ border-color:rgb(112, 198, 108) }
```

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

Here you see how a box with a 4 pixel rgb(112, 198, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 198, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 198, 108);  
box-shadow:4px 4px 4px 4px rgb(112, 198,  
108) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.5829, 44.9156, 21.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 198, 108) }
```

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

```
.background{ background-color: rgb(112,  
198, 108) }
```

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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