

Converting Colors

XYZ(28.9540, 49.3022, 18.2189)

Have a look what the booklet for
XYZ(28.9540, 49.3022, 18.2189)
contains.

XYZ(28.8822, 49.2461, 18.1084)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(28.8822, 49.2461,
18.1084)**

Conversions

Conversions Part 1

Format	Color
Hex	54D35C
RGB	84, 211, 92
RGB Percent	33%, 83%, 36%
CMY	0.6706, 0.1725, 0.6392
CMYK	0.60, 0.00, 0.56, 0.17
HSL	124°, 59%, 58%
HSV	124°, 60%, 83%
XYZ	28.8822, 49.2461, 18.1084
YIQ	159.4610, -37.4930, -63.9330

Conversions

Conversions Part 2

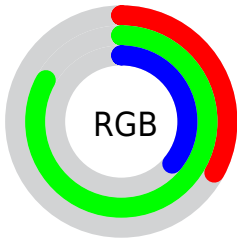
Format	Color
RYB	84, 203, 211
Decimal	5559132
CIELab	75.60, -58.69, 47.95
CIELCh	76, 75.793, 140.752
Yxy	49.2461, 0.3001, 0.5117
Android (android.graphics.Color)	4283749212 (0xFF54D35C)
YUV	159.4610, -33.2583, -66.1793
Hunter-Lab	70.1756, -49.3419, 33.8235

Details

The XYZ color **28.8822, 49.2461, 18.1084** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **40.8152, 24.5021, 59.0790**, and the grayscale version is **33.3270, 35.0626, 38.1832**.

A 20% lighter version of the original color is **52.5479, 79.5841, 39.3798**, and **12.0876, 23.5892, 5.8355** is the 20% darker color. If you saturate the color by 10%, you get **26.5161, 48.1149, 14.0603**, and if you desaturate by 10%, it is **32.0449, 50.7647, 23.3730**.

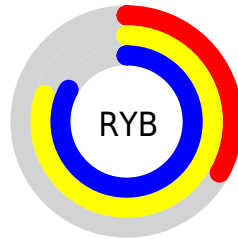
Distribution



Red (33%)

Green (83%)

Blue (36%)



Red (33%)

Yellow (80%)

Blue (83%)

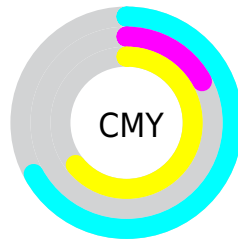


Cyan (60%)

Magenta (0%)

Yellow (56%)

Black (17%)



Cyan (67%)

Magenta (17%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8822, 49.2461, 18.1084 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 28.8822, 49.2461, 18.1084 by changing the saturation by 10% instead.

■ 28.8822, 49.2461,
18.1084

■ 28.8822, 49.2461,
18.1084

288.6630,
383.7104, 253.7379

■ 19.1356, 34.8147,
10.8576

■ 57.2887, 89.0569,
41.0384

■ 11.8729, 23.5202,
5.8582

■ 76.6793, 115.2050,
57.5546

■ 6.7287, 14.9781,
2.6917

■ 100.0153,
146.0276, 77.9965

■ 3.3379, 8.8040,
0.9392

■ 127.6620,
181.9090, 102.7824

■ 1.3348, 4.6136,
0.0000

159.9847,
223.2336, 132.3310

■ 0.2091, 2.0224,
0.0000

197.3489,

■ 0.0000, 0.6204,

270.3857, 167.0607

0.0000

240.1199,
323.7499, 207.3902

■ 0.0000, 0.0000,
0.0000

■ 28.8822, 49.2461,
18.1084

■ 28.8822, 49.2461,
18.1084

■ 26.5161, 48.1149,
14.0603

■ 32.0449, 50.7647,
23.3730

■ 24.8722, 47.3307,
11.1284

■ 36.0630, 52.6950,
29.9373

■ 23.8684, 46.8548,
9.2021

■ 40.9937, 55.0662,
37.8811

■ 23.3698, 46.6204,
8.1578

■ 46.8885, 57.9032,
47.2766

■ 53.7948, 61.2291,
58.1912

■ 61.7570, 65.0654,
70.6880

■ 70.8169, 69.4324,
84.8265

■ 81.0139, 74.3492,
100.6633

■ 82.5853, 75.0705,
104.7451

Harmonies

Analogous

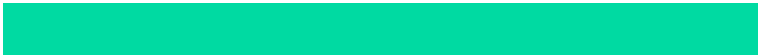
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.8912, 49.2461, 8.9819



28.8822, 49.2461, 18.1084



24.9249, 49.2461, 42.1468

Triad

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



28.8822, 49.2461, 18.1084



42.6074, 49.2461, 171.5992



76.8079, 49.2461, 30.6557

Complementary

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



28.8822, 49.2461, 18.1084



40.8152, 24.5021, 59.0790

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.



78.7698, 49.2461, 67.0080



28.8822, 49.2461, 18.1084



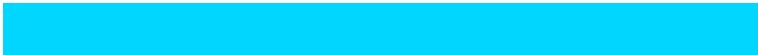
57.0218, 49.2461, 163.0483

Square

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



28.8822, 49.2461, 18.1084



31.7406, 49.2461, 138.3710



70.9376, 49.2461, 118.7900



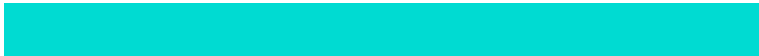
66.0154, 49.2461, 13.3037

Rectangle

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



28.8822, 49.2461, 18.1084



25.0057, 49.2461, 69.3499



70.9376, 49.2461, 118.7900



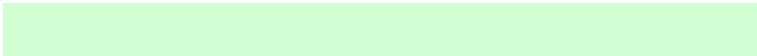
78.5962, 49.2461, 40.4700

Sweetspot

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



28.8834, 49.2482, 18.1095



73.9655, 89.8430, 75.7252



49.9770, 60.1606, 17.3657



15.2086, 18.9301, 15.2202



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.



28.8834, 49.2482, 18.1095



39.9481, 73.4988, 20.2585



32.7719, 50.8036, 38.5863



11.6861, 13.2182, 12.7033



14.1162, 28.1394, 4.9922



0.8001, 1.5777, 0.3362

Inverse Universe

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



40.8152, 24.5021, 59.0790



59.7616, 32.3147, 88.2233



34.8546, 22.1179, 27.6908



12.2773, 11.9957, 14.7361



22.3577, 10.8159, 33.1197



1.2601, 0.6087, 1.9043

Previews

White Background



This preview shows how the XYZ color 28.8822, 49.2461, 18.1084 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 28.8822, 49.2461, 18.1084 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 28.8822, 49.2461, 18.1084

Background



This preview shows how black text looks on a background with the XYZ color 28.8822, 49.2461, 18.1084.



This preview shows how white text looks on a background with the XYZ color 28.8822, 49.2461,

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

28.8822, 49.2461, 18.1084

Protanopia

44.1260, 48.3172, 15.3880

Deuteranopia

49.2383, 48.1590, 19.0124



Tritanopia

39.2711, 48.8206, 70.9718

Trichromacy



Original Color

28.8822, 49.2461, 18.1084



Protanomaly

35.7100, 46.8488, 16.1774



Deuteranomaly

37.8578, 46.2757, 18.4921



Tritanomaly

34.2052, 48.4977, 45.5884

Monochromacy



Original Color

28.8822, 49.2461, 18.1084



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.8093, 38.4956, 28.7809

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8822, 49.2461, 18.1084 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(84, 211, 92)` looks like.

```
.text, #text, p{  
    color:rgb(84, 211, 92)  
}
```

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(84, 211, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 211, 92) }
```

Border

The CSS property to change the border of an element to XYZ 28.8822, 49.2461, 18.1084 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(84, 211, 92) }
```


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

```
.border{ border-color:rgb(84, 211, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 211, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 211, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 211, 92);  
box-shadow:4px 4px 4px 4px rgb(84, 211,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8822, 49.2461, 18.1084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 211, 92) }
```

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

```
.background{ background-color: rgb(84, 211,  
92) }
```

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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