

Converting Colors

XYZ(28.8336, 48.8748, 17.1464)

Have a look what the booklet for
XYZ(28.8336, 48.8748, 17.1464)
contains.

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Color

**XYZ(28.8325, 48.8725,
17.1462)**

Conversions

Conversions Part 1

Format	Color
Hex	58D258
RGB	88, 210, 88
RGB Percent	35%, 82%, 35%
CMY	0.6549, 0.1765, 0.6549
CMYK	0.58, 0.00, 0.58, 0.18
HSL	120°, 58%, 58%
HSV	120°, 58%, 82%
XYZ	28.8325, 48.8725, 17.1462
YIQ	159.6140, -33.5500, -63.8060

Conversions

Conversions Part 2

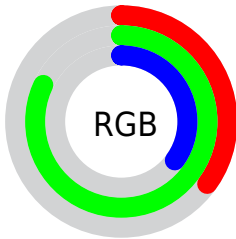
Format	Color
RYB	88, 210, 210
Decimal	5821016
CIELab	75.37, -57.89, 49.54
CIELCh	75, 76.188, 139.445
Yxy	48.8725, 0.3040, 0.5153
Android (android.graphics.Color)	4284011096 (0xFF58D258)
YUV	159.6140, -35.3057, -62.8055
Hunter-Lab	69.9089, -48.7218, 34.3944

Details

The XYZ color **28.8325, 48.8725, 17.1462** 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 **41.7021, 25.3348, 63.6653**, and the grayscale version is **33.4052, 35.1449, 38.2728**.

A 20% lighter version of the original color is **52.7805, 79.7390, 37.8086**, and **11.8443, 23.2267, 5.3723** is the 20% darker color. If you saturate the color by 10%, you get **26.3755, 47.6938, 13.1264**, and if you desaturate by 10%, it is **32.1148, 50.4506, 22.5142**.

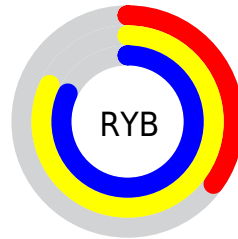
Distribution



Red (35%)

Green (82%)

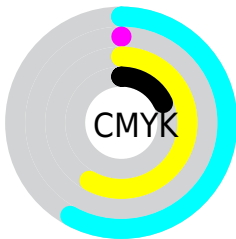
Blue (35%)



Red (35%)

Yellow (82%)

Blue (82%)

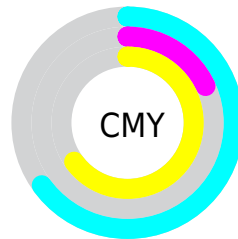


Cyan (58%)

Magenta (0%)

Yellow (58%)

Black (18%)



Cyan (65%)

Magenta (18%)

Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.8325, 48.8725, 17.1462 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 28.8325, 48.8725, 17.1462 by changing the saturation by 10% instead.

■ 28.8325, 48.8725,
17.1462

■ 28.8325, 48.8725,
17.1462

288.4323,
382.2402, 248.0859

■ 19.0978, 34.5183,
10.1757

■ 57.2103, 88.5021,
39.3711

■ 11.8454, 23.2921,
5.4085

■ 76.5840, 114.5463,
55.4625

■ 6.7099, 14.8093,
2.4260

■ 99.9015, 145.2559,
75.4314

■ 3.3261, 8.6857,
0.8005

■ 127.5281,
181.0155, 99.6962

■ 1.3285, 4.5367,
0.0000

159.8291,
222.2093, 128.6756

■ 0.2044, 1.9781,
0.0000

197.1699,

■ 0.0000, 0.5947,

269.2217, 162.7879

0.0000

239.9158,
322.4372, 202.4519

■ 0.0000, 0.0000,
0.0000

■ 28.8325, 48.8725,
17.1462

■ 28.8325, 48.8725,
17.1462

■ 26.3755, 47.6938,
13.1264

■ 32.1148, 50.4506,
22.5142

■ 24.6675, 46.8733,
10.3325

■ 36.2831, 52.4529,
29.3322

■ 23.6240, 46.3721,
8.6255

■ 41.3964, 54.9091,
37.6960

■ 23.1196, 46.1298,
7.8004

■ 47.5078, 57.8447,
47.6922

■ 23.0476, 46.0952,
7.6827

■ 54.6663, 61.2833,
59.4011

■ 62.9177, 65.2468,
72.8976

■ 72.3051, 69.7561,
88.2521

■ 82.3376, 74.5752,
104.6625

Harmonies

Analogous

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



38.0429, 48.8725, 8.5653



28.8325, 48.8725, 17.1462



24.6704, 48.8725, 40.2876

Triad

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



28.8325, 48.8725, 17.1462



41.6868, 48.8725, 170.9175



76.7911, 48.8725, 31.4275

Complementary

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



28.8325, 48.8725, 17.1462



41.7021, 25.3348, 63.6653

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.



78.3132, 48.8725, 68.6457



28.8325, 48.8725, 17.1462



56.0167, 48.8725, 164.2626

Square

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



28.8325, 48.8725, 17.1462



31.0365, 48.8725, 136.0681



70.0921, 48.8725, 120.8491



66.2761, 48.8725, 13.4684

Rectangle

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



28.8325, 48.8725, 17.1462



24.6111, 48.8725, 66.9160



70.0921, 48.8725, 120.8491



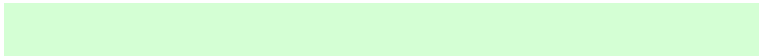
78.4417, 48.8725, 41.5228

Sweetspot

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



28.8337, 48.8745, 17.1473



74.6503, 90.2010, 75.5330



51.3886, 60.5020, 18.2021



15.5319, 19.0923, 15.4371



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.



28.8337, 48.8745, 17.1473



40.1025, 73.6059, 19.0237



32.4971, 50.3399, 36.4384



11.6564, 13.2063, 12.5468



14.0581, 28.1162, 4.6862



0.7860, 1.5721, 0.2620

Inverse Universe

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



41.7021, 25.3348, 63.6653



61.9082, 33.7177, 97.8486



35.4942, 22.8516, 30.9747



12.3108, 12.0091, 14.9127



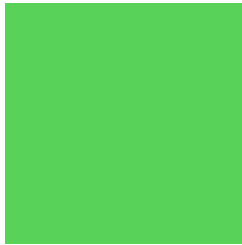
23.3078, 11.1960, 38.1227



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 28.8325, 48.8725, 17.1462 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 28.8325, 48.8725, 17.1462 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 28.8325, 48.8725, 17.1462

Background



This preview shows how black text looks on a background with the XYZ color 28.8325, 48.8725, 17.1462.

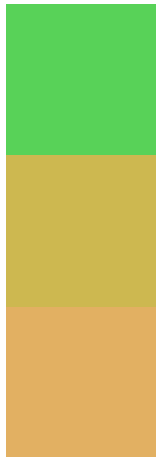


This preview shows how white text looks on a background with the XYZ color 28.8325, 48.8725,

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

28.8325, 48.8725, 17.1462

Protanopia

43.7653, 47.8393, 14.5166

Deuteranopia

49.0940, 48.1013, 18.2522



Tritanopia

39.3126, 48.5185, 70.2438

Trichromacy



Original Color

28.8325, 48.8725, 17.1462



Protanomaly

35.5316, 46.4458, 15.2758



Deuteranomaly

37.9081, 46.0047, 17.4715



Tritanomaly

34.1323, 48.1324, 44.5373

Monochromacy



Original Color

28.8325, 48.8725, 17.1462



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

30.0550, 38.6304, 28.4266

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.8325, 48.8725, 17.1462 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(88, 210, 88)` looks like.

```
.text, #text, p{  
    color:rgb(88, 210, 88)  
}
```

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(88, 210, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(88, 210, 88) }
```

Border

The CSS property to change the border of an element to XYZ 28.8325, 48.8725, 17.1462 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(88, 210, 88) }
```


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

```
.border{ border-color:rgb(88, 210, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(88, 210, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(88, 210, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(88, 210, 88);  
box-shadow:4px 4px 4px 4px rgb(88, 210,  
88) }
```

Background

The CSS property to change the background color of an element to XYZ 28.8325, 48.8725, 17.1462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(88, 210, 88) }
```

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

```
.background{ background-color: rgb(88, 210,  
88) }
```

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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