

Converting Colors

XYZ(28.1835, 48.4145, 16.2098)

Have a look what the booklet for
XYZ(28.1835, 48.4145, 16.2098)
contains.

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Color

**XYZ(28.3030, 48.6181,
16.2800)**

Conversions

Conversions Part 1

Format	Color
Hex	54D254
RGB	84, 210, 84
RGB Percent	33%, 82%, 33%
CMY	0.6706, 0.1765, 0.6706
CMYK	0.60, 0.00, 0.60, 0.18
HSL	120°, 58%, 58%
HSV	120°, 60%, 82%
XYZ	28.3030, 48.6181, 16.2800
YIQ	157.9620, -34.6500, -65.8980

Conversions

Conversions Part 2

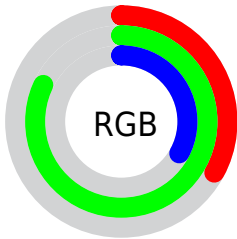
Format	Color
RYB	84, 210, 210
Decimal	5558868
CIELab	75.21, -59.27, 51.11
CIELCh	75, 78.266, 139.228
Yxy	48.6181, 0.3037, 0.5216
Android (android.graphics.Color)	4283748948 (0xFF54D254)
YUV	157.9620, -36.4633, -64.8647
Hunter-Lab	69.7267, -49.5661, 34.9655

Details

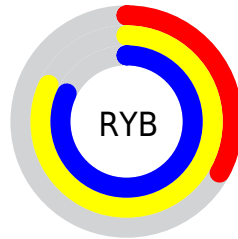
The XYZ color **28.3030, 48.6181, 16.2800** is a dark color, and the websafe version is hex **33CC66**. The color can be described as dark muted green. A complement of this color would be **41.3829, 24.6962, 63.5593**, and the grayscale version is **32.6547, 34.3553, 37.4129**.

A 20% lighter version of the original color is **51.9524, 79.3459, 36.2440**, and **11.7774, 23.1999, 5.0197** is the 20% darker color. If you saturate the color by 10%, you get **25.9948, 47.5108, 12.5036**, and if you desaturate by 10%, it is **31.4234, 50.1185, 21.3832**.

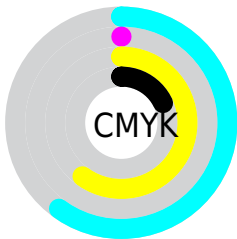
Distribution



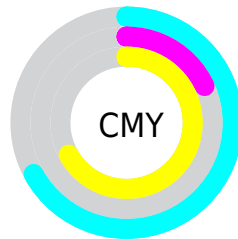
- Red (33%)
- Green (82%)
- Blue (33%)



- Red (33%)
- Yellow (82%)
- Blue (82%)



- Cyan (60%)
- Magenta (0%)
- Yellow (60%)
- Black (18%)



- Cyan (67%)
- Magenta (18%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3030, 48.6181, 16.2800 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 28.3030, 48.6181, 16.2800 by changing the saturation by 10% instead.

■ 28.3030, 48.6181,
16.2800

■ 28.3030, 48.6181,
16.2800

285.9658,
381.2369, 242.8902

■ 18.6958, 34.3166,
9.5660

■ 56.3731, 88.1240,
37.8572

■ 11.5534, 23.1369,
5.0104

■ 75.5667, 114.0972,
53.5574

■ 6.5104, 14.6947,
2.1945

■ 98.6865, 144.7298,
73.0901

■ 3.2014, 8.6054,
0.6712

■ 126.0979,
180.4061, 96.8739

■ 1.2611, 4.4847,
0.0000

158.1661,
221.5106, 125.3273

■ 0.1538, 1.9482,
0.0000

195.2566,

■ 0.0000, 0.5771,

268.4276, 158.8687

0.0000

237.7348,
321.5416, 197.9169

■ 0.0000, 0.0000,
0.0000

■ 28.3030, 48.6181,
16.2800

■ 28.3030, 48.6181,
16.2800

■ 25.9948, 47.5108,
12.5036

■ 31.4234, 50.1185,
21.3832

■ 24.4204, 46.7546,
9.9283

■ 35.4181, 52.0373,
27.9173

■ 23.4922, 46.3087,
8.4100

■ 40.3473, 54.4050,
35.9799

■ 23.0476, 46.0951,
7.6827

■ 46.2647, 57.2475,
45.6589

■ 53.2202, 60.5886,
57.0358

■ 61.2601, 64.4505,
70.1863

■ 70.4280, 68.8544,
85.1819

■ 80.7651, 73.8198,
102.0899

■ 82.3376, 74.5751,
104.6625

Harmonies

Analogous

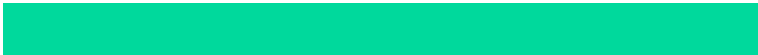
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.7046, 48.6181, 7.8850



28.3030, 48.6181, 16.2800



24.0556, 48.6181, 39.4960

Triad

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



28.3030, 48.6181, 16.2800



41.2415, 48.6181, 174.7256



77.4723, 48.6181, 30.9415

Complementary

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



28.3030, 48.6181, 16.2800



41.3829, 24.6962, 63.5593

Split Complementary

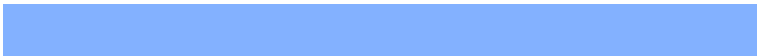
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



78.9681, 48.6181, 69.1259



28.3030, 48.6181, 16.2800



55.9072, 48.6181, 168.1246

Square

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



28.3030, 48.6181, 16.2800



30.4291, 48.6181, 138.1841



70.4186, 48.6181, 123.1440



66.6769, 48.6181, 12.8070

Rectangle

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



28.3030, 48.6181, 16.2800



23.9721, 48.6181, 66.6491



70.4186, 48.6181, 123.1440



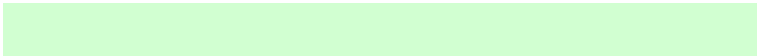
79.1529, 48.6181, 41.2475

Sweetspot

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



28.3042, 48.6201, 16.2811



73.6039, 89.6984, 73.8214



51.2273, 60.4374, 17.3533



15.1227, 18.8958, 14.7678



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.



28.3042, 48.6201, 16.2811



39.5383, 73.3349, 18.1006



31.9704, 50.0866, 35.5874



11.6564, 13.2063, 12.5468



14.0581, 28.1162, 4.6861



0.7860, 1.5721, 0.2620

Inverse Universe

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



41.3829, 24.6962, 63.5593



61.5681, 33.0373, 97.7362



35.0165, 22.1497, 30.0345



12.3108, 12.0091, 14.9127



23.3079, 11.1960, 38.1233



1.3032, 0.6260, 2.1316

Previews

White Background



This preview shows how the XYZ color 28.3030, 48.6181, 16.2800 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 28.3030, 48.6181, 16.2800 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 28.3030, 48.6181, 16.2800

Background



This preview shows how black text looks on a background with the XYZ color 28.3030, 48.6181, 16.2800.

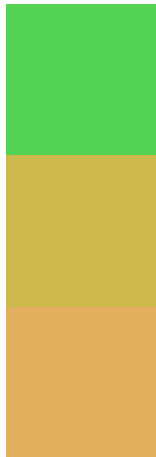


This preview shows how white text looks on a background with the XYZ color 28.3030, 48.6181,

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

28.3030, 48.6181, 16.2800

Protanopia

43.6218, 47.7819, 13.7612

Deuteranopia

48.7144, 47.6368, 17.2170



Tritanopia

39.0467, 48.3814, 70.2314

Trichromacy



Original Color

28.3030, 48.6181, 16.2800



Protanomaly

35.1792, 46.2815, 14.4762



Deuteranomaly

37.2842, 45.7033, 16.5294



Tritanomaly

33.7124, 47.9373, 43.5524

Monochromacy



Original Color

28.3030, 48.6181, 16.2800



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

29.1789, 37.9083, 27.2519

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3030, 48.6181, 16.2800 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, 210, 84)` looks like.

```
.text, #text, p{  
    color:rgb(84, 210, 84)  
}
```

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, 210, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 210, 84) }
```

Border

The CSS property to change the border of an element to XYZ 28.3030, 48.6181, 16.2800 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, 210, 84) }
```


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

```
.border{ border-color:rgb(84, 210, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 210, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 210, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 210, 84);  
box-shadow:4px 4px 4px 4px rgb(84, 210,  
84) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3030, 48.6181, 16.2800 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 210, 84) }
```

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

```
.background{ background-color: rgb(84, 210,  
84) }
```

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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