

Converting Colors

XYZ(28.8390, 48.4822, 10.9272)

Have a look what the booklet for
XYZ(28.8390, 48.4822, 10.9272)
contains.

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Color

**XYZ(28.9915, 48.7235,
11.0085)**

Conversions

Conversions Part 1

Format	Color
Hex	67D133
RGB	103, 209, 51
RGB Percent	40%, 82%, 20%
CMY	0.5961, 0.1804, 0.8000
CMYK	0.51, 0.00, 0.76, 0.18
HSL	100°, 63%, 51%
HSV	100°, 76%, 82%
XYZ	28.9915, 48.7235, 11.0085
YIQ	159.2940, -12.4580, -71.6100

Conversions

Conversions Part 2

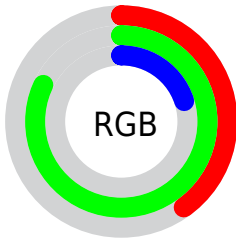
Format	Color
RYB	51, 209, 157
Decimal	6803763
CIELab	75.28, -56.87, 64.21
CIELCh	75, 85.770, 131.533
Yxy	48.7235, 0.3268, 0.5492
Android (android.graphics.Color)	4284993843 (0xFF67D133)
YUV	159.2940, -53.3889, -49.3698
Hunter-Lab	69.8022, -48.0161, 39.5109

Details

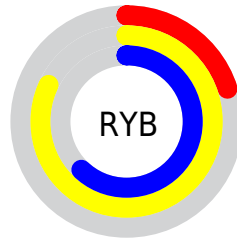
The XYZ color **28.9915, 48.7235, 11.0085** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted chartreuse. A complement of this color would be **26.5999, 14.1410, 61.6518**, and the grayscale version is **33.3317, 35.0675, 38.1885**.

A 20% lighter version of the original color is **53.5710, 80.3892, 26.8805**, and **12.0509, 23.1225, 3.8280** is the 20% darker color. If you saturate the color by 10%, you get **27.1548, 47.8200, 9.0344**, and if you desaturate by 10%, it is **31.3072, 49.8531, 14.0874**.

Distribution



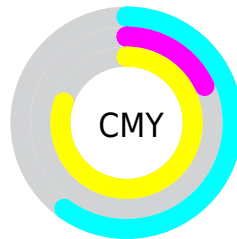
- Red (40%)
- Green (82%)
- Blue (20%)



- Red (20%)
- Yellow (82%)
- Blue (62%)



- Cyan (51%)
- Magenta (0%)
- Yellow (76%)
- Black (18%)





- Cyan (60%)
- Magenta (18%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 28.9915, 48.7235, 11.0085 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 28.9915, 48.7235, 11.0085 by changing the saturation by 10% instead.


 28.9915, 48.7235,
11.0085


 28.9915, 48.7235,
11.0085


289.1698,
381.6528, 208.4654

 19.2186, 34.4002,
5.9583


 57.4612, 88.2807,
28.3128

 11.9333, 23.2012,
2.7514


 76.8888, 114.2833,
41.4039


 6.7702, 14.7421,
0.9691


 100.2654,
144.9478, 58.0125

 3.3638, 8.6386,
0.0000

 127.9562,
180.6586, 78.5570

 1.3490, 4.5062,
0.0000

 160.3267,
221.8002, 103.4560

 0.2194, 1.9606,
0.0000

 197.7422,

 0.0000, 0.5844,

268.7568, 133.1281

0.0000

240.5681,
321.9128, 167.9917

■ 0.0000, 0.0000,
0.0000

■ 28.9915, 48.7235,
11.0085

■ 28.9915, 48.7235,
11.0085

■ 27.1548, 47.8200,
9.0344

■ 31.3072, 49.8531,
14.0874

■ 25.7500, 47.1172,
8.0017


■ 34.1357, 51.2187,
18.3982


■ 25.2400, 46.8601,
7.7146


■ 37.5110, 52.8371,
24.0539


■ 41.4630, 54.7213,
31.1541

■ 46.0191, 56.8837,
39.7887

 51.2050, 59.3356,
50.0407

 57.0448, 62.0877,
61.9867

 63.5611, 65.1502,
75.6986

 70.7755, 68.5328,
91.2443

Harmonies

Analogous

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



40.5151, 48.7235, 5.3688



28.9915, 48.7235, 11.0085



23.1137, 48.7235, 30.0464

Triad

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



28.9915, 48.7235, 11.0085



37.3638, 48.7235, 185.1809



82.7752, 48.7235, 37.5309

Complementary

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



28.9915, 48.7235, 11.0085



26.5999, 14.1410, 61.6518

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.



81.3866, 48.7235, 85.5432



28.9915, 48.7235, 11.0085



52.6332, 48.7235, 191.4997

Square

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



28.9915, 48.7235, 11.0085



27.1369, 48.7235, 133.8494



69.4343, 48.7235, 148.0742



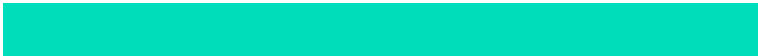
72.8831, 48.7235, 13.8188

Rectangle

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



28.9915, 48.7235, 11.0085



22.1529, 48.7235, 55.4058



69.4343, 48.7235, 148.0742



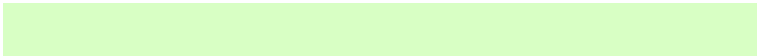
83.6630, 48.7235, 50.7651

Sweetspot

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



28.9926, 48.7256, 11.0096



73.9794, 90.0672, 65.9193



38.8386, 37.6856, 8.3597



15.2337, 18.9935, 12.9426



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.



28.9926, 48.7256, 11.0096



41.0940, 74.2519, 12.9742



25.5186, 46.8476, 14.7816



12.0175, 13.3925, 12.5637



15.6547, 28.9393, 4.7607



0.9584, 1.6609, 0.2701

Inverse Universe

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



26.5999, 14.1410, 61.6518



36.8621, 17.3714, 96.0179



35.9928, 19.3293, 46.4544



11.9170, 11.8060, 14.8944



13.8951, 6.3435, 37.6846



0.8587, 0.3968, 2.1109

Previews

White Background



This preview shows how the XYZ color 28.9915, 48.7235, 11.0085 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 28.9915, 48.7235, 11.0085 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 28.9915, 48.7235, 11.0085

Background



This preview shows how black text looks on a background with the XYZ color 28.9915, 48.7235, 11.0085.



This preview shows how white text looks on a background with the XYZ color 28.9915, 48.7235,

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

28.9915, 48.7235, 11.0085

Protanopia

43.5547, 48.1528, 9.4815

Deuteranopia

48.9172, 47.8646, 11.6616



Tritanopia

40.4789, 48.4792, 68.8520

Trichromacy



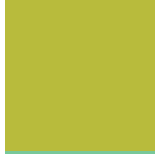
Original Color

28.9915, 48.7235, 11.0085



Protanomaly

36.1671, 47.2238, 9.8982



Deuteranomaly

38.3531, 46.0572, 11.1435



Tritanomaly

34.1498, 47.6015, 37.5251

Monochromacy



Original Color

28.9915, 48.7235, 11.0085



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

29.7598, 38.2893, 23.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.9915, 48.7235, 11.0085 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(103, 209, 51)` looks like.

```
.text, #text, p{  
    color:rgb(103, 209, 51)  
}
```

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(103, 209, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 209, 51) }
```

Border

The CSS property to change the border of an element to XYZ 28.9915, 48.7235, 11.0085 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(103, 209, 51) }
```


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

```
.border{ border-color:rgb(103, 209, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 209, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 209, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 209, 51);  
box-shadow:4px 4px 4px 4px rgb(103, 209,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 28.9915, 48.7235, 11.0085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 209, 51) }
```

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

```
.background{ background-color: rgb(103,  
209, 51) }
```

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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