

Converting Colors

XYZ(33.6913, 51.8601, 29.0059)

Have a look what the booklet for
XYZ(33.6913, 51.8601, 29.0059)
contains.

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Color

**XYZ(33.6903, 51.8601,
29.0032)**

Conversions

Conversions Part 1

Format	Color
Hex	6CD481
RGB	108, 212, 129
RGB Percent	42%, 83%, 51%
CMY	0.5765, 0.1686, 0.4941
CMYK	0.49, 0.00, 0.39, 0.17
HSL	132°, 55%, 63%
HSV	132°, 49%, 83%
XYZ	33.6903, 51.8601, 29.0032
YIQ	171.4420, -35.3410, -47.8610

Conversions

Conversions Part 2

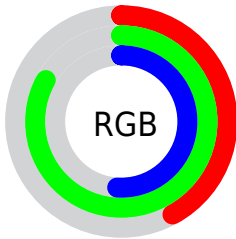
Format	Color
RYB	108, 195, 212
Decimal	7132289
CIELab	77.20, -47.86, 32.00
CIELCh	77, 57.570, 146.230
Yxy	51.8601, 0.2941, 0.4527
Android (android.graphics.Color)	4285322369 (0xFF6CD481)
YUV	171.4420, -20.9239, -55.6386
Hunter-Lab	72.0140, -42.5167, 26.5311

Details

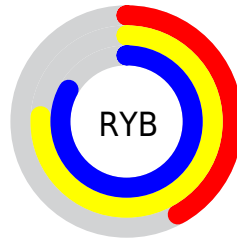
The XYZ color **33.6903, 51.8601, 29.0032** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **41.9196, 28.4848, 52.5808**, and the grayscale version is **39.0470, 41.0805, 44.7366**.

A 20% lighter version of the original color is **59.8243, 82.9382, 57.6554**, and **14.4825, 24.9554, 11.2613** is the 20% darker color. If you saturate the color by 10%, you get **30.3857, 50.2773, 23.4564**, and if you desaturate by 10%, it is **37.8107, 53.8448, 35.5625**.

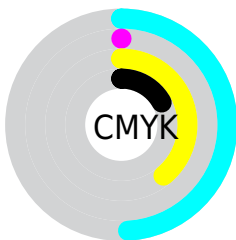
Distribution



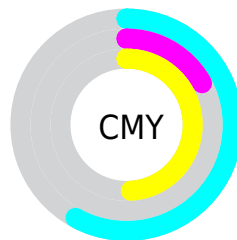
- Red (42%)
- Green (83%)
- Blue (51%)



- Red (42%)
- Yellow (76%)
- Blue (83%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (17%)





- Cyan (58%)
- Magenta (17%)
- Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6903, 51.8601, 29.0032 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 33.6903, 51.8601, 29.0032 by changing the saturation by 10% instead.


 33.6903, 51.8601,
29.0032


 33.6903, 51.8601,
29.0032


310.3592,
393.8963, 311.2915


 22.8175, 36.8936,
18.8376


 64.7993, 92.9249,
59.1244

 14.5788, 25.1251,
11.3774


 85.7662, 119.7919,
79.9172

 8.6087, 16.1703,
6.2039

 110.8285,
151.3946, 105.0894

 4.5419, 9.6447,
2.8987

140.3517,
188.1173, 135.0596

 2.0130, 5.1640,
1.0431

174.7009,
230.3444, 170.2464

 0.6413, 2.3438,
0.0000

214.2417,

 0.0000, 0.7968,

278.4604, 211.0683

0.0000

259.3393,
332.8495, 257.9438

■ 0.0000, 0.0000,
0.0000

■ 33.6903, 51.8601,
29.0032

■ 33.6903, 51.8601,
29.0032

■ 30.3857, 50.2773,
23.4564

■ 37.8107, 53.8448,
35.5625

■ 27.8374, 49.0626,
18.8683

■ 42.7930, 56.2499,
43.1777

■ 25.9844, 48.1869,
15.1851


■ 48.6845, 59.1003,
51.8939


■ 24.7535, 47.6139,
12.3466


■ 55.5281, 62.4171,
61.7525

■ 24.0318, 47.2868,
10.2836

■ 63.3636, 66.2203,
72.7929

 23.9770, 47.2620,
10.1259

 72.2288, 70.5283,
85.0523

 81.6408, 75.0915,
98.5423

 82.8345, 75.5690,
104.8282

Harmonies

Analogous

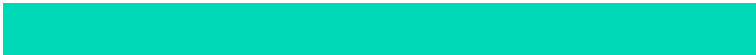
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



40.5057, 51.8601, 17.6468



33.6903, 51.8601, 29.0032



31.0251, 51.8601, 52.5698

Triad

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



33.6903, 51.8601, 29.0032



47.9113, 51.8601, 141.2588



70.8498, 51.8601, 33.6655

Complementary

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



33.6903, 51.8601, 29.0032



41.9196, 28.4848, 52.5808

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.



73.6057, 51.8601, 60.5518



33.6903, 51.8601, 29.0032



59.2638, 51.8601, 130.2808

Square

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



33.6903, 51.8601, 29.0032



38.4252, 51.8601, 123.4371



69.0900, 51.8601, 97.3676



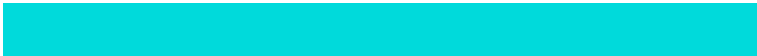
62.0345, 51.8601, 19.5489

Rectangle

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



33.6903, 51.8601, 29.0032



31.6154, 51.8601, 75.1858



69.0900, 51.8601, 97.3676



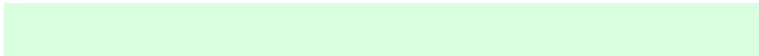
72.5671, 51.8601, 41.1453

Sweetspot

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



33.6916, 51.8623, 29.0044



77.8199, 91.6410, 84.4452



47.7884, 59.2745, 23.1102



16.1973, 19.3924, 17.4095



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.



33.6916, 51.8623, 29.0044



45.9012, 76.2434, 35.1929



38.0493, 53.6053, 51.9518



12.3639, 13.9366, 13.7309



14.8306, 29.1876, 6.4035



0.9246, 1.7725, 0.5448

Inverse Universe

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



41.9196, 28.4848, 52.5808



59.7847, 36.6873, 74.8932



37.1903, 26.5931, 27.6765



12.8406, 12.5877, 15.1006



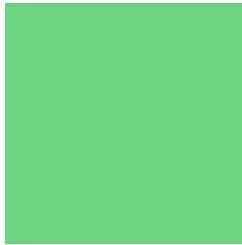
21.2309, 10.4287, 24.3175



1.3084, 0.6402, 1.6135

Previews

White Background



This preview shows how the XYZ color 33.6903, 51.8601, 29.0032 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 33.6903, 51.8601, 29.0032 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 33.6903, 51.8601, 29.0032

Background



This preview shows how black text looks on a background with the XYZ color 33.6903, 51.8601, 29.0032.



This preview shows how white text looks on a background with the XYZ color 33.6903, 51.8601,

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

33.6903, 51.8601, 29.0032

Protanopia

47.0414, 50.8731, 25.1094

Deuteranopia

52.0191, 50.8329, 30.3626



Tritanopia

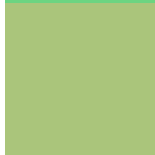
42.5948, 51.5024, 74.0256

Trichromacy



Original Color

33.6903, 51.8601, 29.0032



Protanomaly

40.1190, 49.9086, 26.2577



Deuteranomaly

42.3747, 49.3378, 29.4801



Tritanomaly

38.5794, 51.2728, 54.3177

Monochromacy



Original Color

33.6903, 51.8601, 29.0032



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

35.7724, 43.8140, 38.0240

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6903, 51.8601, 29.0032 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(108, 212, 129)` looks like.

```
.text, #text, p{  
    color:rgb(108, 212, 129)  
}
```

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(108, 212, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(108, 212, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.6903, 51.8601, 29.0032 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(108, 212, 129) }
```


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

```
.border{ border-color:rgb(108, 212, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(108, 212, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(108, 212, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(108, 212, 129);  
box-shadow:4px 4px 4px 4px rgb(108, 212,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6903, 51.8601, 29.0032 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(108, 212, 129) }
```

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

```
.background{ background-color: rgb(108,  
212, 129) }
```

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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