

Converting Colors

XYZ(36.6168, 52.9988, 29.0688)

Have a look what the booklet for
XYZ(36.6168, 52.9988, 29.0688)
contains.

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Color

**XYZ(36.6168, 52.9988,
29.0688)**

Conversions

Conversions Part 1

Format	Color
Hex	83D381
RGB	131, 211, 129
RGB Percent	51%, 83%, 51%
CMY	0.4863, 0.1725, 0.4941
CMYK	0.38, 0.00, 0.39, 0.17
HSL	119°, 48%, 67%
HSV	119°, 39%, 83%
XYZ	36.6168, 52.9988, 29.0688
YIQ	177.7320, -21.3580, -42.4620

Conversions

Conversions Part 2

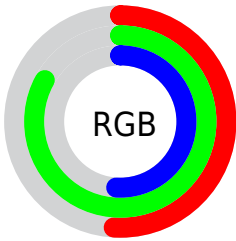
Format	Color
RYB	129, 211, 209
Decimal	8639361
CIELab	77.87, -40.81, 33.07
CIELCh	78, 52.530, 140.982
Yxy	52.9988, 0.3085, 0.4466
Android (android.graphics.Color)	4286829441 (0xFF83D381)
YUV	177.7320, -24.0249, -40.9840
Hunter-Lab	72.8003, -37.6192, 27.2860

Details

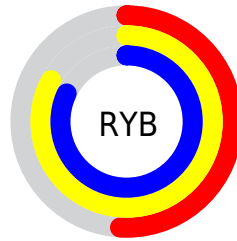
The XYZ color **36.6168, 52.9988, 29.0688** is a light color, and the websafe version is hex **66CC66**. A complement of this color would be **45.9051, 33.9607, 65.7664**, and the grayscale version is **42.3074, 44.5107, 48.4721**.

A 20% lighter version of the original color is **64.8008, 85.5037, 57.8882**, and **16.3242, 25.9048, 11.3475** is the 20% darker color. If you saturate the color by 10%, you get **32.4790, 51.0129, 22.2947**, and if you desaturate by 10%, it is **41.6804, 55.4316, 37.4002**.

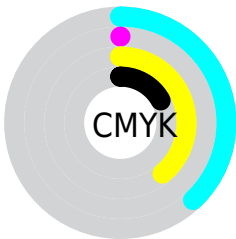
Distribution



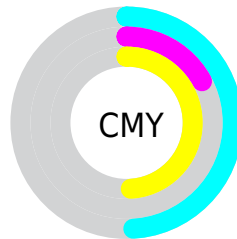
- Red (51%)
- Green (83%)
- Blue (51%)



- Red (51%)
- Yellow (83%)
- Blue (82%)



- Cyan (38%)
- Magenta (0%)
- Yellow (39%)
- Black (17%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6168, 52.9988, 29.0688 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 36.6168, 52.9988, 29.0688 by changing the saturation by 10% instead.

 36.6168, 52.9988,
29.0688


 36.6168, 52.9988,
29.0688


323.0329,
398.2805, 311.6105


 25.0832, 37.8018,
18.8868


 69.3007, 94.6026,
59.2299

 16.2681, 25.8289,
11.4126


 91.1817, 121.7782,
80.0461

 9.8062, 16.6957,
6.2274


 117.2427,
153.7155, 105.2441

 5.3319, 10.0178,
2.9128

147.8488,
190.7988, 135.2425

 2.4800, 5.4107,
1.0503

183.3656,
233.4126, 170.4598

 0.8852, 2.4902,
0.0000

224.1583,

 0.0000, 0.8717,

281.9412, 211.3145

0.0000

270.5923,
336.7690, 258.2253

■ 0.0000, 0.0000,
0.0000

■ 36.6168, 52.9988,
29.0688

■ 36.6168, 52.9988,
29.0688

■ 32.4790, 51.0129,
22.2947

■ 41.6804, 55.4316,
37.4002

■ 29.2073, 49.4406,
16.9780

■ 47.7167, 58.3289,
47.3734

■ 26.7414, 48.2545,
13.0128


■ 54.7745, 61.7157,
59.0712


■ 25.0114, 47.4215,
10.2775


■ 62.8979, 65.6131,
72.5696


■ 23.9358, 46.9024,
8.6287

■ 72.1285, 70.0411,
87.9402

 23.4021, 46.6442,
7.8387

 82.4082, 74.9793,
104.7368

 23.3597, 46.6238,
7.7681

 82.5853, 75.0706,
104.7451

Harmonies

Analogous

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



43.6704, 52.9988, 19.5371



36.6168, 52.9988, 29.0688



33.3757, 52.9988, 49.3399

Triad

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



36.6168, 52.9988, 29.0688



47.3607, 52.9988, 132.8870



71.0018, 52.9988, 39.8354

Complementary

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



36.6168, 52.9988, 29.0688



45.9051, 33.9607, 65.7664

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.



72.3406, 52.9988, 66.9696



36.6168, 52.9988, 29.0688



57.7303, 52.9988, 127.6713

Square

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



36.6168, 52.9988, 29.0688



39.0044, 52.9988, 113.2938



67.2056, 52.9988, 100.8002



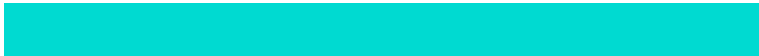
63.7621, 52.9988, 24.1352

Rectangle

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



36.6168, 52.9988, 29.0688



33.4645, 52.9988, 69.0854



67.2056, 52.9988, 100.8002



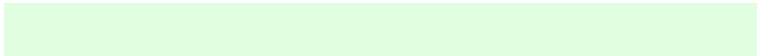
72.1921, 52.9988, 47.6515

Sweetspot

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



36.6181, 53.0010, 29.0700



80.3657, 92.9545, 84.5121



53.4497, 60.6785, 29.6647



16.8906, 19.7469, 17.5734



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.



36.6181, 53.0010, 29.0700



50.6367, 78.6828, 35.4956



39.3490, 54.0580, 45.0505



11.6826, 13.2198, 12.5480



14.1094, 28.1426, 4.6884



0.7985, 1.5785, 0.2626

Inverse Universe

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



45.9051, 33.9607, 65.7664



66.9085, 45.3001, 99.8251



42.2331, 32.5576, 43.4600



12.2811, 11.9938, 14.9114



22.4467, 10.7520, 38.0848



1.2643, 0.6059, 2.1299

Previews

White Background



This preview shows how the XYZ color 36.6168, 52.9988, 29.0688 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 36.6168, 52.9988, 29.0688 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 36.6168, 52.9988, 29.0688

Background



This preview shows how black text looks on a background with the XYZ color 36.6168, 52.9988, 29.0688.



This preview shows how white text looks on a background with the XYZ color 36.6168, 52.9988,

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

36.6168, 52.9988, 29.0688

Protanopia

48.5953, 52.6351, 25.6875

Deuteranopia

53.3016, 52.1102, 30.1707



Tritanopia

45.6238, 53.0789, 73.4863

Trichromacy



Original Color

36.6168, 52.9988, 29.0688



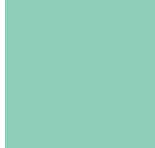
Protanomaly

43.1176, 52.1258, 26.8575



Deuteranomaly

45.2959, 51.1708, 29.6799



Tritanomaly

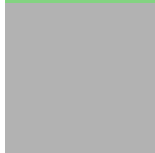
41.7436, 52.9162, 53.9127

Monochromacy



Original Color

36.6168, 52.9988, 29.0688



Achromatopsia

42.3164, 44.5201, 48.4824



Achromatomaly

39.4566, 46.9420, 40.2388

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6168, 52.9988, 29.0688 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(131, 211, 129)` looks like.

```
.text, #text, p{  
    color:rgb(131, 211, 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(131, 211, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(131, 211, 129) }
```

Border

The CSS property to change the border of an element to XYZ 36.6168, 52.9988, 29.0688 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(131, 211, 129) }
```


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

```
.border{ border-color:rgb(131, 211, 129) }
```

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

Here you see how a box with a 4 pixel rgb(131, 211, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(131, 211, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(131, 211, 129);  
box-shadow:4px 4px 4px 4px rgb(131, 211,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6168, 52.9988, 29.0688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(131, 211, 129) }
```

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

```
.background{ background-color: rgb(131,  
211, 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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