

Converting Colors

XYZ(18.6286, 31.0279, 18.4865)

Have a look what the booklet for
XYZ(18.6286, 31.0279, 18.4865)
contains.

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Color

**XYZ(18.5289, 30.8758,
18.3477)**

Conversions

Conversions Part 1

Format	Color
Hex	34AB69
RGB	52, 171, 105
RGB Percent	20%, 67%, 41%
CMY	0.7961, 0.3294, 0.5882
CMYK	0.70, 0.00, 0.39, 0.33
HSL	147°, 53%, 44%
HSV	147°, 70%, 67%
XYZ	18.5289, 30.8758, 18.3477
YIQ	127.8950, -49.7380, -45.7540

Conversions

Conversions Part 2

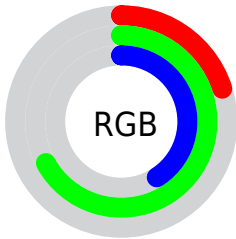
Format	Color
RYB	52, 134, 171
Decimal	3451753
CIELab	62.40, -48.03, 24.71
CIELCh	62, 54.009, 152.774
Yxy	30.8758, 0.2735, 0.4557
Android (android.graphics.Color)	4281641833 (0xFF34AB69)
YUV	127.8950, -11.2872, -66.5599
Hunter-Lab	55.5660, -37.7183, 19.3188

Details

The XYZ color **18.5289, 30.8758, 18.3477** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **21.2936, 12.4226, 18.4162**, and the grayscale version is **20.5324, 21.6017, 23.5242**.

A 20% lighter version of the original color is **40.3649, 60.8832, 41.5225**, and **7.2170, 13.2523, 6.0485** is the 20% darker color. If you saturate the color by 10%, you get **17.3425, 30.3182, 15.8882**, and if you desaturate by 10%, it is **20.0901, 31.6219, 21.1099**.

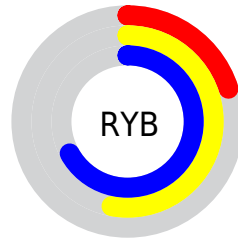
Distribution



Red (20%)

Green (67%)

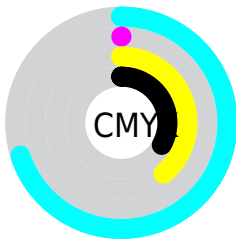
Blue (41%)



Red (20%)

Yellow (53%)

Blue (67%)

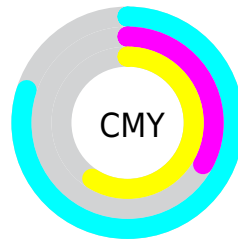


Cyan (70%)

Magenta (0%)

Yellow (39%)

Black (33%)



Cyan (80%)


Magenta (33%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.5289, 30.8758, 18.3477 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 18.5289, 30.8758, 18.3477 by changing the saturation by 10% instead.


 18.5289, 30.8758,
18.3477


 18.5289, 30.8758,
18.3477


236.8239,
305.9657, 255.1252


 11.4324, 20.5043,
11.0279


 40.4596, 61.0445,
41.4508

 6.4279, 12.7621,
5.9712


 56.0244, 81.6104,
58.0712


 3.1501, 7.2650,
2.7591


 75.1427, 106.3433,
78.6289

 1.2336, 3.6284,
0.9730

 98.1799, 135.6276,
103.5424

 0.1327, 1.4679,
0.0000

 125.5012,
169.8475, 133.2302

 0.0000, 0.2660,
0.0000

157.4721,

 0.0000, 0.0000,

209.3876, 168.1109

0.0000

194.4579,
254.6322, 208.6031

■ 18.5289, 30.8758,
18.3477

■ 18.5289, 30.8758,
18.3477

■ 17.3425, 30.3182,
15.8882

■ 20.0901, 31.6219,
21.1099

■ 16.4903, 29.9261,
13.7183

■ 22.0562, 32.5695,
24.1831

■ 15.8959, 29.6610,
11.8253

■ 24.4570, 33.7346,
27.5779

■ 15.8736, 29.6510,
11.7533

■ 27.3187, 35.1303,
31.3035

■ 30.6651, 36.7689,
35.3689

■ 34.5186, 38.6618,
39.7827

■ 38.9001, 40.8195,
44.5531

■ 43.8292, 43.2520,
49.6881

■ 49.3246, 45.9687,
55.1954

Harmonies

Analogous

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



22.3698, 30.8758, 9.8447



18.5289, 30.8758, 18.3477



17.4168, 30.8758, 35.6070

Triad

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



18.5289, 30.8758, 18.3477



30.0329, 30.8758, 92.0662



42.8378, 30.8758, 16.1827

Complementary

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



18.5289, 30.8758, 18.3477



21.2936, 12.4226, 18.4162

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.



45.7630, 30.8758, 31.7055



18.5289, 30.8758, 18.3477



37.6411, 30.8758, 80.1563

Square

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



18.5289, 30.8758, 18.3477



23.3686, 30.8758, 83.6880



43.7202, 30.8758, 55.6288



36.2657, 30.8758, 9.0094

Rectangle

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



18.5289, 30.8758, 18.3477



18.1911, 30.8758, 51.7542



43.7202, 30.8758, 55.6288



44.3254, 30.8758, 20.3079

Sweetspot

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



18.5297, 30.8770, 18.3484



53.7844, 65.2932, 61.9990



22.8511, 33.3278, 8.4776



11.6269, 14.3807, 13.3851



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



18.5297, 30.8770, 18.3484



30.0909, 53.8487, 26.1014



22.5969, 32.5039, 39.7660



8.0472, 8.9964, 9.2733



11.9916, 22.3619, 8.9954



0.3614, 0.6332, 0.3967

Inverse Universe

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



21.2936, 12.4226, 18.4162



35.3435, 18.5972, 26.0967



18.8373, 11.4401, 5.4814



8.1842, 8.0869, 9.2806



14.2392, 7.1582, 8.9049



0.4231, 0.2099, 0.3899

Previews

White Background



This preview shows how the XYZ color 18.5289, 30.8758, 18.3477 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 18.5289, 30.8758, 18.3477 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 18.5289, 30.8758, 18.3477

Background



This preview shows how black text looks on a background with the XYZ color 18.5289, 30.8758, 18.3477.



This preview shows how white text looks on a background with the XYZ color 18.5289, 30.8758,

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

18.5289, 30.8758, 18.3477

Protanopia

28.1219, 30.4438, 15.4604

Deuteranopia

30.9740, 30.4413, 19.2822



Tritanopia

24.0756, 30.9487, 45.7791

Trichromacy



Original Color

18.5289, 30.8758, 18.3477



Protanomaly

22.6474, 29.5655, 16.3175



Deuteranomaly

23.8316, 29.1209, 18.8328



Tritanomaly

21.5955, 30.7397, 33.6493

Monochromacy



Original Color

18.5289, 30.8758, 18.3477



Achromatopsia

20.5175, 21.5861, 23.5072



Achromatomaly

18.6190, 24.0119, 21.4227

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.5289, 30.8758, 18.3477 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(52, 171, 105)` looks like.

```
.text, #text, p{  
    color:rgb(52, 171, 105)  
}
```

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(52, 171, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 171, 105) }
```

Border

The CSS property to change the border of an element to XYZ 18.5289, 30.8758, 18.3477 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(52, 171, 105) }
```


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

```
.border{ border-color:rgb(52, 171, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 171, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 171, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 171, 105);  
box-shadow:4px 4px 4px 4px rgb(52, 171,  
105) }
```

Background

The CSS property to change the background color of an element to XYZ 18.5289, 30.8758, 18.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 171, 105) }
```

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

```
.background{ background-color: rgb(52, 171,  
105) }
```

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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