

Converting Colors

XYZ(19.3689, 31.0825, 15.9452)

Have a look what the booklet for
XYZ(19.3689, 31.0825, 15.9452)
contains.

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Color

**XYZ(19.3877, 31.0898,
16.0454)**

Conversions

Conversions Part 1

Format	Color
Hex	4BAA60
RGB	75, 170, 96
RGB Percent	29%, 67%, 38%
CMY	0.7059, 0.3333, 0.6235
CMYK	0.56, 0.00, 0.44, 0.33
HSL	133°, 39%, 48%
HSV	133°, 56%, 67%
XYZ	19.3877, 31.0898, 16.0454
YIQ	133.1590, -32.8660, -43.1540

Conversions

Conversions Part 2

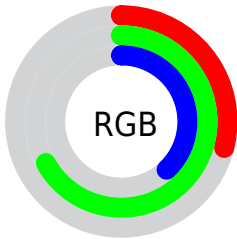
Format	Color
RYB	75, 153, 170
Decimal	4958816
CIELab	62.58, -44.39, 29.85
CIELCh	63, 53.495, 146.084
Yxy	31.0898, 0.2914, 0.4674
Android (android.graphics.Color)	4283148896 (0xFF4BAA60)
YUV	133.1590, -18.3194, -51.0054
Hunter-Lab	55.7582, -35.5106, 21.9690

Details

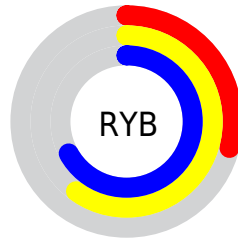
The XYZ color **19.3877, 31.0898, 16.0454** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **24.5194, 15.7488, 30.1824**, and the grayscale version is **22.4262, 23.5941, 25.6940**.

A 20% lighter version of the original color is **41.8229, 61.3246, 37.2363**, and **6.8948, 12.9360, 4.9298** is the 20% darker color. If you saturate the color by 10%, you get **17.6724, 30.2710, 13.0465**, and if you desaturate by 10%, it is **21.5626, 32.1354, 19.6033**.

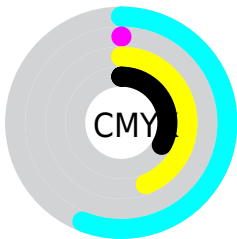
Distribution



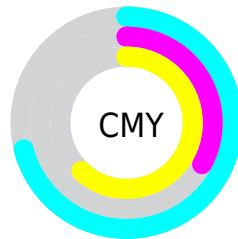
- Red (29%)
- Green (67%)
- Blue (38%)



- Red (29%)
- Yellow (60%)
- Blue (67%)



- Cyan (56%)
- Magenta (0%)
- Yellow (44%)
- Black (33%)



- Cyan (71%)
- Magenta (33%)
- Yellow (62%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.3877, 31.0898, 16.0454 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 19.3877, 31.0898, 16.0454 by changing the saturation by 10% instead.

■ 19.3877, 31.0898,
16.0454

■ 19.3877, 31.0898,
16.0454

241.4780,
306.9518, 241.4643

■ 12.0564, 20.6672,
9.4016

■ 41.9000, 61.3814,
37.4449

■ 6.8546, 12.8810,
4.9037

■ 57.8118, 82.0193,
53.0376

■ 3.4168, 7.3466,
2.1331

■ 77.3144, 106.8310,
72.4505

■ 1.3778, 3.6798,
0.6354

■ 100.7733,
136.2010, 96.1019

■ 0.2404, 1.4961,
0.0000

■ 128.5537,
170.5137, 124.4104

■ 0.0000, 0.2860,
0.0000

161.0211,

■ 0.0000, 0.0000,

210.1535, 157.7946

0.0000

198.5407,
255.5047, 196.6731

■ 19.3877, 31.0898,
16.0454

■ 19.3877, 31.0898,
16.0454

■ 17.6724, 30.2710,
13.0465

■ 21.5626, 32.1354,
19.6033

■ 16.3801, 29.6582,
10.5761

■ 24.2253, 33.4192,
23.7446

■ 15.4726, 29.2330,
8.6038

■ 27.4045, 34.9563,
28.4945

■ 14.8996, 28.9704,
7.0952

■ 31.1260, 36.7595,
33.8765

■ 14.7184, 28.8878,
6.5985

■ 35.4137, 38.8407,
39.9126

■ 40.2903, 41.2112,
46.6237

■ 45.7770, 43.8815,
54.0298

■ 51.8941, 46.8615,
62.1503

■ 58.6608, 50.1610,
71.0036

Harmonies

Analogous

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



23.8117, 31.0898, 9.0999



19.3877, 31.0898, 16.0454



17.6673, 31.0898, 31.1862

Triad

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



19.3877, 31.0898, 16.0454



28.6040, 31.0898, 91.6807



43.9925, 31.0898, 19.1051

Complementary

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



19.3877, 31.0898, 16.0454



24.5194, 15.7488, 30.1824

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.



45.8342, 31.0898, 36.6645



19.3877, 31.0898, 16.0454



36.1431, 31.0898, 84.1445

Square

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



19.3877, 31.0898, 16.0454



22.4061, 31.0898, 79.2187



42.7576, 31.0898, 61.5155



38.0706, 31.0898, 10.2888

Rectangle

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



19.3877, 31.0898, 16.0454



18.0355, 31.0898, 46.2193



42.7576, 31.0898, 61.5155



45.1471, 31.0898, 23.9139

Sweetspot

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



19.3885, 31.0911, 16.0461



55.4480, 66.1967, 59.9989



28.1164, 35.6877, 12.0634



12.0623, 14.6153, 12.9453



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.



19.3885, 31.0911, 16.0461



31.4501, 54.6296, 22.5411



22.2415, 32.2323, 31.0700



7.5021, 8.4339, 8.3644



10.8445, 21.2565, 4.9478



0.2820, 0.5244, 0.2159

Inverse Universe

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



24.5194, 15.7488, 30.1824



41.6592, 23.9725, 50.5715



21.4886, 14.5365, 14.2225



7.7699, 7.6378, 9.1053



15.3011, 7.5291, 16.9288



0.3894, 0.1900, 0.5021

Previews

White Background



This preview shows how the XYZ color 19.3877, 31.0898, 16.0454 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 19.3877, 31.0898, 16.0454 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

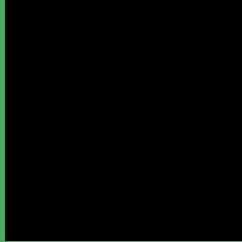
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 19.3877, 31.0898, 16.0454

Background



This preview shows how black text looks on a background with the XYZ color 19.3877, 31.0898, 16.0454.



This preview shows how white text looks on a background with the XYZ color 19.3877, 31.0898,

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

19.3877, 31.0898, 16.0454

Protanopia

28.2266, 30.5333, 13.8570

Deuteranopia

31.1939, 30.6091, 16.8344



Tritanopia

25.1042, 30.9786, 44.7007

Trichromacy



Original Color

19.3877, 31.0898, 16.0454



Protanomaly

23.5045, 29.7922, 14.6369



Deuteranomaly

24.8468, 29.4533, 16.4321



Tritanomaly

22.4883, 30.7009, 31.9347

Monochromacy



Original Color

19.3877, 31.0898, 16.0454



Achromatopsia

22.2940, 23.4551, 25.5426



Achromatomaly

20.3511, 25.3586, 21.5914

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.3877, 31.0898, 16.0454 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(75, 170, 96)` looks like.

```
.text, #text, p{  
    color:rgb(75, 170, 96)  
}
```

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(75, 170, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(75, 170, 96) }
```

Border

The CSS property to change the border of an element to XYZ 19.3877, 31.0898, 16.0454 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(75, 170, 96) }
```


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

```
.border{ border-color:rgb(75, 170, 96) }
```

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

Here you see how a box with a 4 pixel `rgb(75, 170, 96)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(75, 170, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(75, 170, 96);  
box-shadow:4px 4px 4px 4px rgb(75, 170,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 19.3877, 31.0898, 16.0454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(75, 170, 96) }
```

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

```
.background{ background-color: rgb(75, 170,  
96) }
```

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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