

Converting Colors

XYZ(18.4631, 31.6170, 9.0137)

Have a look what the booklet for
XYZ(18.4631, 31.6170, 9.0137)
contains.

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Color

**XYZ(18.4297, 31.5990,
8.9988)**

Conversions

Conversions Part 1

Format	Color
Hex	49AD39
RGB	73, 173, 57
RGB Percent	29%, 68%, 22%
CMY	0.7137, 0.3216, 0.7765
CMYK	0.58, 0.00, 0.67, 0.32
HSL	112°, 50%, 45%
HSV	112°, 67%, 68%
XYZ	18.4297, 31.5990, 8.9988
YIQ	129.8760, -22.3640, -57.2760

Conversions

Conversions Part 2

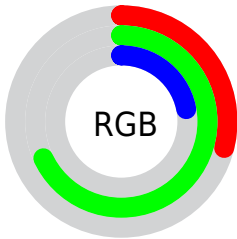
Format	Color
RYB	57, 173, 157
Decimal	4828473
CIELab	63.01, -51.16, 49.11
CIElCh	63, 70.916, 136.174
Yxy	31.5990, 0.3122, 0.5353
Android (android.graphics.Color)	4283018553 (0xFF49AD39)
YUV	129.8760, -35.9279, -49.8803
Hunter-Lab	56.2130, -39.8506, 29.8577

Details

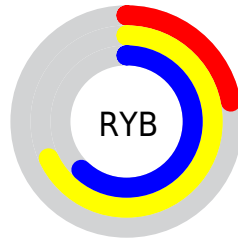
The XYZ color **18.4297, 31.5990, 8.9988** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **22.9126, 13.1128, 40.8603**, and the grayscale version is **21.3036, 22.4130, 24.4078**.

A 20% lighter version of the original color is **40.1397, 61.9680, 24.3134**, and **6.5968, 13.1937, 2.1989** is the 20% darker color. If you saturate the color by 10%, you get **17.0721, 30.9417, 7.0537**, and if you desaturate by 10%, it is **20.2069, 32.4575, 11.7324**.

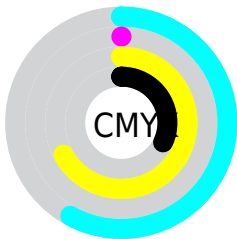
Distribution



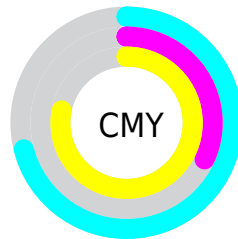
- Red (29%)
- Green (68%)
- Blue (22%)



- Red (22%)
- Yellow (68%)
- Blue (62%)



- Cyan (58%)
- Magenta (0%)
- Yellow (67%)
- Black (32%)



- Cyan (71%)
- Magenta (32%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.4297, 31.5990, 8.9988 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 18.4297, 31.5990, 8.9988 by changing the saturation by 10% instead.

■ 18.4297, 31.5990,
8.9988

■ 18.4297, 31.5990,
8.9988

236.2810,
309.2885, 193.5867

■ 11.3605, 21.0554,
4.6436

■ 40.2925, 62.1819,
24.4722

■ 6.3789, 13.1645,
1.9847

■ 55.8169, 82.9900,
36.4274

■ 3.1197, 7.5419,
0.5458

■ 74.8903, 107.9884,
51.7531

■ 1.2174, 3.8033,
0.0000

■ 97.8781, 137.5615,
70.8677

■ 0.1200, 1.5641,
0.0000

■ 125.1458,
172.0936, 94.1898

■ 0.0000, 0.3332,
0.0000

■ 157.0586,

■ 0.0000, 0.0000,

211.9693, 122.1380

0.0000

193.9819,
257.5727, 155.1308

■ 18.4297, 31.5990,
8.9988

■ 18.4297, 31.5990,
8.9988

■ 17.0721, 30.9417,
7.0537

■ 20.2069, 32.4575,
11.7324

■ 16.0964, 30.4652,
5.8116

■ 22.4327, 33.5277,
15.3240

■ 15.4581, 30.1501,
5.1514

■ 25.1359, 34.8241,
19.8381

■ 15.3175, 30.0809,
4.9989

■ 28.3424, 36.3589,
25.3324

■ 32.0762, 38.1431,
31.8597

■ 36.3598, 40.1874,
39.4692

■ 41.2141, 42.5015,
48.2069

■ 46.6593, 45.0949,
58.1162

■ 52.7143, 47.9765,
69.2380

Harmonies

Analogous

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



25.1049, 31.5990, 4.3014



18.4297, 31.5990, 8.9988



15.2509, 31.5990, 23.0964

Triad

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



18.4297, 31.5990, 8.9988



25.7697, 31.5990, 117.4013



51.8973, 31.5990, 21.5038

Complementary

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



18.4297, 31.5990, 8.9988



22.9126, 13.1128, 40.8603

Split Complementary

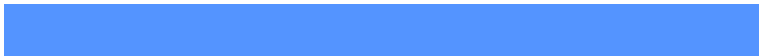
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



52.1844, 31.5990, 48.9103



18.4297, 31.5990, 8.9988



35.5692, 31.5990, 116.1143

Square

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



18.4297, 31.5990, 8.9988



18.8251, 31.5990, 89.5535



45.7050, 31.5990, 86.6393



44.9895, 31.5990, 8.3769

Rectangle

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



18.4297, 31.5990, 8.9988



14.9759, 31.5990, 40.5146



45.7050, 31.5990, 86.6393



52.8153, 31.5990, 28.9444

Sweetspot

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



18.4305, 31.6003, 8.9995



55.1317, 67.2050, 52.9902



29.7950, 32.8241, 8.6367



11.5852, 14.4159, 10.8230



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.



18.4305, 31.6003, 8.9995



29.7341, 55.0037, 11.5201



18.8177, 31.6328, 16.5714



8.0034, 8.9904, 8.5269



11.2822, 22.1133, 3.6737



0.3450, 0.6312, 0.1037

Inverse Universe

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



22.9126, 13.1128, 40.8603



38.1675, 19.5018, 72.5583



22.8902, 13.4883, 23.3719



8.2269, 8.0913, 10.0809



14.7019, 6.9390, 29.6090



0.4383, 0.2081, 0.8251

Previews

White Background



This preview shows how the XYZ color 18.4297, 31.5990, 8.9988 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 18.4297, 31.5990, 8.9988 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 18.4297, 31.5990, 8.9988

Background



This preview shows how black text looks on a background with the XYZ color 18.4297, 31.5990, 8.9988.



This preview shows how white text looks on a background with the XYZ color 18.4297, 31.5990,

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

18.4297, 31.5990, 8.9988

Protanopia

28.1880, 31.1305, 7.6551

Deuteranopia

31.7254, 31.0431, 9.6300



Tritanopia

25.6952, 31.5325, 45.2895

Trichromacy



Original Color

18.4297, 31.5990, 8.9988

Protanomaly

23.0449, 30.4670, 8.0343

Deuteranomaly

24.4726, 29.9126, 9.1865

Tritanomaly

21.9209, 31.0622, 26.6701

Monochromacy



Original Color

18.4297, 31.5990, 8.9988

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

19.0337, 24.7883, 16.6134

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.4297, 31.5990, 8.9988 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(73, 173, 57)` looks like.

```
.text, #text, p{  
    color:rgb(73, 173, 57)  
}
```

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(73, 173, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 173, 57) }
```

Border

The CSS property to change the border of an element to XYZ 18.4297, 31.5990, 8.9988 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(73, 173, 57) }
```


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

```
.border{ border-color:rgb(73, 173, 57) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 173, 57)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 173, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 173, 57);  
box-shadow:4px 4px 4px 4px rgb(73, 173,  
57) }
```

Background

The CSS property to change the background color of an element to XYZ 18.4297, 31.5990, 8.9988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 173, 57) }
```

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

```
.background{ background-color: rgb(73, 173,  
57) }
```

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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