

Converting Colors

XYZ(18.6720, 31.9242, 12.9630)

Have a look what the booklet for
XYZ(18.6720, 31.9242, 12.9630)
contains.

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Color

**XYZ(18.6712, 31.9229,
12.9623)**

Conversions

Conversions Part 1

Format	Color
Hex	3FAE51
RGB	63, 174, 81
RGB Percent	25%, 68%, 32%
CMY	0.7529, 0.3176, 0.6823
CMYK	0.64, 0.00, 0.53, 0.32
HSL	130°, 47%, 46%
HSV	130°, 64%, 68%
XYZ	18.6712, 31.9229, 12.9623
YIQ	130.2090, -36.3030, -52.4550

Conversions

Conversions Part 2

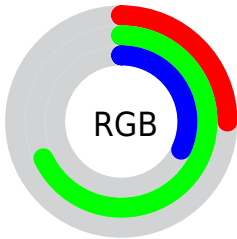
Format	Color
RYB	63, 159, 174
Decimal	4173393
CIELab	63.28, -51.06, 38.30
CIELCh	63, 63.831, 143.127
Yxy	31.9229, 0.2938, 0.5023
Android (android.graphics.Color)	4282363473 (0xFF3FAE51)
YUV	130.2090, -24.2600, -58.9423
Hunter-Lab	56.5004, -39.8882, 25.9479

Details

The XYZ color **18.6712, 31.9229, 12.9623** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **25.2348, 14.9547, 33.0101**, and the grayscale version is **21.3854, 22.4991, 24.5015**.

A 20% lighter version of the original color is **40.4877, 62.3971, 31.7397**, and **6.9638, 13.5319, 3.5412** is the 20% darker color. If you saturate the color by 10%, you get **17.2414, 31.2433, 10.3419**, and if you desaturate by 10%, it is **20.5711, 32.8331, 16.2188**.

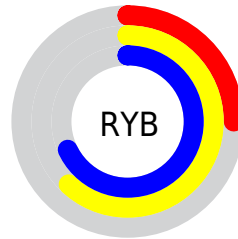
Distribution



Red (25%)

Green (68%)

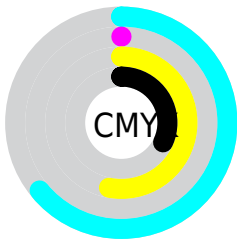
Blue (32%)



Red (25%)

Yellow (62%)

Blue (68%)

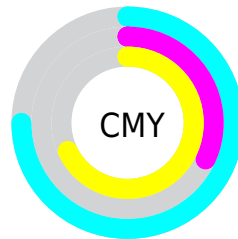


Cyan (64%)

Magenta (0%)

Yellow (53%)

Black (32%)



Cyan (75%)


Magenta (32%)


Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.6712, 31.9229, 12.9623 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 18.6712, 31.9229, 12.9623 by changing the saturation by 10% instead.


 18.6712, 31.9229,
12.9623


 18.6712, 31.9229,
12.9623


237.6006,
310.7679, 221.8752


 11.5355, 21.3026,
7.2722


 40.6989, 62.6902,
31.9262


 6.4982, 13.3454,
3.5519


 56.3217, 83.6060,
46.0371


 3.1938, 7.6668,
1.3829


 75.5043, 108.7224,
63.7920

 1.2571, 3.8825,
0.1283

 98.6119, 138.4239,
85.6094

 0.1507, 1.6081,
0.0000

 126.0100,
173.0948, 111.9079

 0.0000, 0.3630,
0.0000

158.0639,

 0.0000, 0.0000,

213.1195, 143.1060

0.0000

195.1390,
258.8824, 179.6223

■ 18.6712, 31.9229,
12.9623

■ 18.6712, 31.9229,
12.9623

■ 17.2414, 31.2433,
10.3419

■ 20.5711, 32.8331,
16.2188

■ 16.2374, 30.7695,
8.3139

■ 22.9756, 33.9883,
20.1470

■ 15.6102, 30.4783,
6.8325

■ 25.9186, 35.4059,
24.7825

■ 15.3488, 30.3581,
6.1630

■ 29.4304, 37.1010,
30.1578

■ 33.5390, 39.0873,
36.3032

■ 38.2706, 41.3777,
43.2474

■ 43.6498, 43.9843,
51.0178

■ 49.6997, 46.9186,
59.6401

■ 56.4426, 50.1914,
69.1393

Harmonies

Analogous

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



24.1414, 31.9229, 6.4556



18.6712, 31.9229, 12.9623



16.3980, 31.9229, 29.2511

Triad

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



18.6712, 31.9229, 12.9623



28.3522, 31.9229, 108.9819



48.8181, 31.9229, 18.9260

Complementary

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



18.6712, 31.9229, 12.9623



25.2348, 14.9547, 33.0101

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.



50.5466, 31.9229, 40.9174



18.6712, 31.9229, 12.9623



37.5220, 31.9229, 101.5251

Square

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



18.6712, 31.9229, 12.9623



21.2401, 31.9229, 90.0778



46.0773, 31.9229, 72.9298



41.7304, 31.9229, 8.5443

Rectangle

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



18.6712, 31.9229, 12.9623



16.6127, 31.9229, 47.0324



46.0773, 31.9229, 72.9298



50.0952, 31.9229, 24.8307

Sweetspot

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



18.6720, 31.9242, 12.9630



56.5662, 68.8339, 59.4926



30.0075, 37.8358, 10.4244



12.1205, 15.0806, 12.5440



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



18.6720, 31.9242, 12.9630



30.3497, 56.2333, 16.9485



21.5706, 33.0837, 28.2270



7.9555, 8.9598, 8.7907



11.1473, 22.0242, 4.5496



0.3258, 0.6190, 0.2092

Inverse Universe

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



25.2348, 14.9547, 33.0101



43.1634, 22.9020, 55.9420



21.6248, 13.5107, 14.0001



8.2804, 8.1254, 9.7876



16.4299, 8.0345, 20.4411



0.4717, 0.2294, 0.6458

Previews

White Background



This preview shows how the XYZ color 18.6712, 31.9229, 12.9623 looks on a white background.

Color Contrast Check

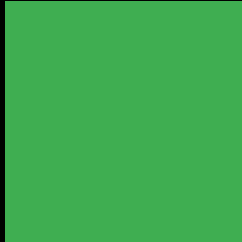
Large Text (above 18pt) WCAG AA × Fail

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 18.6712, 31.9229, 12.9623 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 18.6712, 31.9229, 12.9623

Background



This preview shows how black text looks on a background with the XYZ color 18.6712, 31.9229, 12.9623.



This preview shows how white text looks on a background with the XYZ color 18.6712, 31.9229,

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

18.6712, 31.9229, 12.9623

Protanopia

28.6127, 31.2757, 11.0073

Deuteranopia

31.9362, 31.2864, 13.8068



Tritanopia

25.4277, 31.8989, 46.4119

Trichromacy



Original Color

18.6712, 31.9229, 12.9623



Protanomaly

23.1163, 30.4233, 11.6751



Deuteranomaly

24.5527, 30.1115, 13.3221



Tritanomaly

22.1934, 31.6637, 30.5332

Monochromacy



Original Color

18.6712, 31.9229, 12.9623



Achromatopsia

21.2178, 22.3228, 24.3095



Achromatomaly

19.1474, 24.7918, 19.1054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6712, 31.9229, 12.9623 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(63, 174, 81)` looks like.

```
.text, #text, p{  
    color:rgb(63, 174, 81)  
}
```

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(63, 174, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 174, 81) }
```

Border

The CSS property to change the border of an element to XYZ 18.6712, 31.9229, 12.9623 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(63, 174, 81) }
```


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

```
.border{ border-color:rgb(63, 174, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 174, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 174, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 174, 81);  
box-shadow:4px 4px 4px 4px rgb(63, 174,  
81) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6712, 31.9229, 12.9623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 174, 81) }
```

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

```
.background{ background-color: rgb(63, 174,  
81) }
```

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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