

Converting Colors

XYZ(18.6643, 15.4560, 3.3123)

Have a look what the booklet for
XYZ(18.6643, 15.4560, 3.3123)
contains.

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Color

**XYZ(18.6589, 15.4012,
3.2856)**

Conversions

Conversions Part 1

Format	Color
Hex	A05D1F
RGB	160, 93, 31
RGB Percent	63%, 36%, 12%
CMY	0.3726, 0.6353, 0.8784
CMYK	0.00, 0.42, 0.81, 0.37
HSL	29°, 68%, 37%
HSV	29°, 81%, 63%
XYZ	18.6589, 15.4012, 3.2856
YIQ	105.9650, 59.8340, -5.0780

Conversions

Conversions Part 2

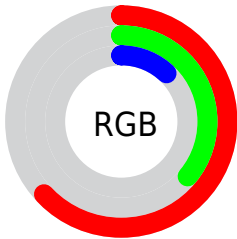
Format	Color
RYB	160, 150, 31
Decimal	10509599
CIELab	46.18, 22.58, 44.94
CIELCh	46, 50.294, 63.321
Yxy	15.4012, 0.4996, 0.4124
Android (android.graphics.Color)	4288699679 (0xFFA05D1F)
YUV	105.9650, -36.9577, 47.3887
Hunter-Lab	39.2444, 16.1910, 22.5072

Details

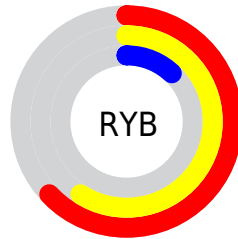
The XYZ color **18.6589, 15.4012, 3.2856** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **11.2776, 11.5641, 34.8953**, and the grayscale version is **13.7770, 14.4945, 15.7845**.

A 20% lighter version of the original color is **40.6346, 35.5858, 12.3165**, and **6.5705, 4.8376, 0.5874** is the 20% darker color. If you saturate the color by 10%, you get **17.8079, 13.9571, 2.2074**, and if you desaturate by 10%, it is **19.6945, 17.0473, 4.9419**.

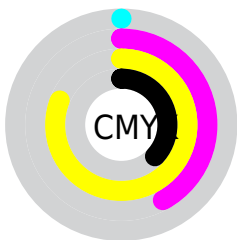
Distribution



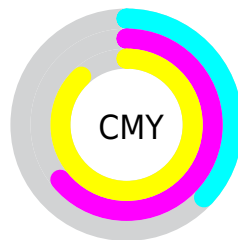
- Red (63%)
- Green (36%)
- Blue (12%)



- Red (63%)
- Yellow (59%)
- Blue (12%)



- Cyan (0%)
- Magenta (42%)
- Yellow (81%)
- Black (37%)



- Cyan (37%)
- Magenta (64%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6589, 15.4012, 3.2856 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 18.6589, 15.4012, 3.2856 by changing the saturation by 10% instead.

■ 18.6589, 15.4012,
3.2856

■ 18.6589, 15.4012,
3.2856

237.5336,
225.7819, 139.9189

■ 11.5266, 9.1014,
1.2422

■ 40.6783, 35.5555,
12.3254

■ 6.4921, 4.8074,
0.0137

■ 56.2960, 50.1788,
20.1589

■ 3.1900, 2.1347,
0.0000

■ 75.4730, 68.3454,
30.7596

■ 1.2550, 0.6840,
0.0000

■ 98.5746, 90.4397,
44.5459

■ 0.1492, 0.0000,
0.0000

■ 125.9661,
116.8461, 61.9365

■ 0.0000, 0.0000,
0.0000

■ 158.0128,

147.9490, 83.3498

195.0802,
184.1328, 109.2045

18.6589, 15.4012,
3.2856

18.6589, 15.4012,
3.2856

17.8079, 13.9571,
2.2074

19.6945, 17.0473,
4.9419

17.1443, 12.7679,
1.5608

20.9298, 18.9033,
7.2485

22.3791, 20.9793,
10.2673

24.0547, 23.2837,
14.0532

25.9681, 25.8246,
18.6554

■ 28.1298, 28.6094,
24.1188

■ 30.5494, 31.6453,
30.4852

■ 33.2363, 34.9389,
37.7937

■ 36.1992, 38.4968,
46.0809

Harmonies

Analogous

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



22.6607, 15.4012, 6.8585



18.6589, 15.4012, 3.2856



14.1661, 15.4012, 2.5200

Triad

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



18.6589, 15.4012, 3.2856



7.8564, 15.4012, 18.1742



19.6481, 15.4012, 45.2316

Complementary

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



18.6589, 15.4012, 3.2856



11.2776, 11.5641, 34.8953

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.



15.1210, 15.4012, 53.0886



18.6589, 15.4012, 3.2856



8.7756, 15.4012, 33.3625

Square

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



18.6589, 15.4012, 3.2856



8.4405, 15.4012, 8.2480



11.2413, 15.4012, 47.9333



23.3056, 15.4012, 29.7546

Rectangle

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



18.6589, 15.4012, 3.2856



11.6123, 15.4012, 3.0924



11.2413, 15.4012, 47.9333



18.1492, 15.4012, 49.1199

Sweetspot

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



18.6592, 15.4020, 3.2859



49.5146, 49.9524, 39.7948



17.2778, 9.3699, 12.9040



10.5728, 10.5857, 8.0054



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



18.6592, 15.4020, 3.2859



31.2835, 23.4364, 3.0550



26.5826, 31.2488, 5.9270



6.8829, 7.1458, 7.0022



13.3989, 10.0335, 1.2305



0.2817, 0.2637, 0.0361

Inverse Universe

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



11.2776, 11.5641, 34.8953



17.3509, 16.1516, 62.5896



7.5202, 4.0493, 33.6428



6.5554, 6.9765, 8.4078



7.4025, 6.8965, 26.8482



0.1746, 0.2078, 0.4941

Previews

White Background



This preview shows how the XYZ color 18.6589, 15.4012, 3.2856 looks on a white 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 × Fail

Black Background



This preview shows how the XYZ color 18.6589, 15.4012, 3.2856 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.6589, 15.4012, 3.2856

Background



This preview shows how black text looks on a background with the XYZ color 18.6589, 15.4012, 3.2856.



This preview shows how white text looks on a background with the XYZ color 18.6589, 15.4012,

3.2856.

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

18.6589, 15.4012, 3.2856

Protanopia

14.0477, 15.4842, 3.8385

Deuteranopia

15.6180, 15.3785, 3.1225



Tritanopia

20.4882, 15.3932, 12.2473

Trichromacy



Original Color

18.6589, 15.4012, 3.2856

Protanomaly

15.3924, 15.2504, 3.6457

Deuteranomaly

16.6208, 15.3092, 3.1776

Tritanomaly

19.5782, 15.2683, 7.7096

Monochromacy



Original Color

18.6589, 15.4012, 3.2856

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.6691, 14.3075, 9.3856

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6589, 15.4012, 3.2856 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(160, 93, 31)` looks like.

```
.text, #text, p{  
    color:rgb(160, 93, 31)  
}
```

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(160, 93, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(160, 93, 31) }
```

Border

The CSS property to change the border of an element to XYZ 18.6589, 15.4012, 3.2856 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(160, 93, 31) }
```


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

```
.border{ border-color:rgb(160, 93, 31) }
```

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

Here you see how a box with a 4 pixel rgb(160, 93, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(160, 93, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(160, 93, 31);  
box-shadow:4px 4px 4px 4px rgb(160, 93,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6589, 15.4012, 3.2856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(160, 93, 31) }
```

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

```
.background{ background-color: rgb(160, 93,  
31) }
```

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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