

Converting Colors

XYZ(18.8412, 14.4572, 3.1023)

Have a look what the booklet for
XYZ(18.8412, 14.4572, 3.1023)
contains.

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Color

**XYZ(18.8057, 14.4884,
3.1017)**

Conversions

Conversions Part 1

Format	Color
Hex	A4551F
RGB	164, 85, 31
RGB Percent	64%, 33%, 12%
CMY	0.3569, 0.6666, 0.8784
CMYK	0.00, 0.48, 0.81, 0.36
HSL	24°, 68%, 38%
HSV	24°, 81%, 64%
XYZ	18.8057, 14.4884, 3.1017
YIQ	102.4650, 64.4180, -0.0460

Conversions

Conversions Part 2

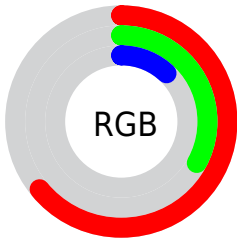
Format	Color
RYB	164, 122, 31
Decimal	10769695
CIELab	44.93, 28.74, 43.96
CIELCh	45, 52.525, 56.822
Yxy	14.4884, 0.5167, 0.3981
Android (android.graphics.Color)	4288959775 (0xFFA4551F)
YUV	102.4650, -35.2322, 53.9662
Hunter-Lab	38.0636, 21.5783, 21.8132

Details

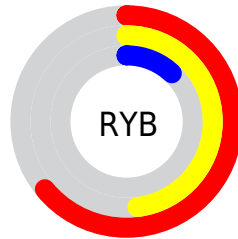
The XYZ color **18.8057, 14.4884, 3.1017** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **12.8415, 14.1228, 37.1710**, and the grayscale version is **12.8294, 13.4975, 14.6988**.

A 20% lighter version of the original color is **40.9559, 34.0201, 11.8051**, and **6.6054, 4.3873, 0.4987** is the 20% darker color. If you saturate the color by 10%, you get **17.9272, 12.9939, 2.0004**, and if you desaturate by 10%, it is **19.9004, 16.2397, 4.8177**.

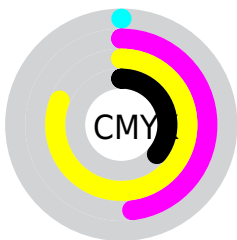
Distribution



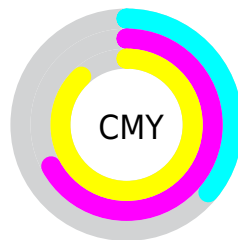
- Red (64%)
- Green (33%)
- Blue (12%)



- Red (64%)
- Yellow (48%)
- Blue (12%)



- Cyan (0%)
- Magenta (48%)
- Yellow (81%)
- Black (36%)



- Cyan (36%)
- Magenta (67%)
- Yellow (88%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8057, 14.4884, 3.1017 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 18.8057, 14.4884, 3.1017 by changing the saturation by 10% instead.

■ 18.8057, 14.4884,
3.1017

■ 18.8057, 14.4884,
3.1017

238.3328,
220.2484, 137.6456

■ 11.6331, 8.4611,
1.1468

■ 40.9249, 33.9531,
11.8784

■ 6.5648, 4.3914,
0.0000

■ 56.6023, 48.1594,
19.5372

■ 3.2353, 1.8948,
0.0000

■ 75.8454, 65.8608,
29.9345

■ 1.2794, 0.5453,
0.0000

■ 99.0194, 87.4417,
43.4887

■ 0.1677, 0.0000,
0.0000

■ 126.4898,
113.2865, 60.6183

■ 0.0000, 0.0000,
0.0000

■ 158.6219,

143.7796, 81.7420

195.7811,
179.3055, 107.2782

18.8057, 14.4884,
3.1017

18.8057, 14.4884,
3.1017

17.9272, 12.9939,
2.0004

19.9004, 16.2397,
4.8177

17.2927, 11.8583,
1.3775

21.2290, 18.2593,
7.2265

22.8082, 20.5607,
10.3950

24.6526, 23.1555,
14.3823

26.7755, 26.0547,
19.2411

■ 29.1892, 29.2685,
25.0201

■ 31.9052, 32.8067,
31.7641

■ 34.9344, 36.6785,
39.5149

■ 38.2871, 40.8928,
48.3121

Harmonies

Analogous

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



22.5394, 14.4884, 7.3255



18.8057, 14.4884, 3.1017



14.2340, 14.4884, 1.9807

Triad

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



18.8057, 14.4884, 3.1017



7.0584, 14.4884, 14.4994



17.8458, 14.4884, 47.7198

Complementary

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



18.8057, 14.4884, 3.1017



12.8415, 14.1228, 37.1710

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.



13.3177, 14.4884, 53.1636



18.8057, 14.4884, 3.1017



7.6347, 14.4884, 29.0436

Square

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



18.8057, 14.4884, 3.1017



7.9480, 14.4884, 6.0455



9.7258, 14.4884, 45.0278



21.9091, 14.4884, 32.5928

Rectangle

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



18.8057, 14.4884, 3.1017



11.5153, 14.4884, 2.2356



9.7258, 14.4884, 45.0278



16.3031, 14.4884, 50.9993

Sweetspot

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



18.8060, 14.4892, 3.1020



51.4534, 51.1055, 41.7052



18.6581, 10.0159, 15.9313



10.9249, 10.7414, 8.3424



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



18.8060, 14.4892, 3.1020



31.5484, 21.7869, 2.7270



26.5755, 30.0282, 5.6918



7.2989, 7.5362, 7.4500



13.3037, 9.1814, 1.0710



0.3253, 0.2845, 0.0378

Inverse Universe

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



12.8415, 14.1228, 37.1710



20.2043, 20.8281, 66.7077



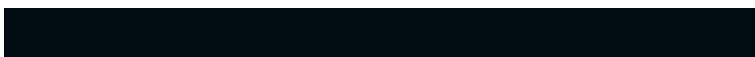
8.1779, 4.7956, 35.6165



7.0337, 7.5264, 8.9851



8.4922, 8.7638, 28.1738



0.2231, 0.2735, 0.6069

Previews

White Background



This preview shows how the XYZ color 18.8057, 14.4884, 3.1017 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 18.8057, 14.4884, 3.1017 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 18.8057, 14.4884, 3.1017

Background



This preview shows how black text looks on a background with the XYZ color 18.8057, 14.4884, 3.1017.



This preview shows how white text looks on a background with the XYZ color 18.8057, 14.4884,

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

18.8057, 14.4884, 3.1017

Protanopia

13.3374, 14.6420, 3.8735

Deuteranopia

14.8208, 14.5284, 2.9428



Tritanopia

20.2342, 14.5002, 10.3267

Trichromacy



Original Color

18.8057, 14.4884, 3.1017

Protanomaly

14.9186, 14.2793, 3.5600

Deuteranomaly

16.1441, 14.3745, 2.9606

Tritanomaly

19.4885, 14.4156, 6.7564

Monochromacy



Original Color

18.8057, 14.4884, 3.1017

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.9448, 13.2475, 8.6595

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8057, 14.4884, 3.1017 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(164, 85, 31)` looks like.

```
.text, #text, p{  
    color:rgb(164, 85, 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(164, 85, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 85, 31) }
```

Border

The CSS property to change the border of an element to XYZ 18.8057, 14.4884, 3.1017 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(164, 85, 31) }
```


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

```
.border{ border-color:rgb(164, 85, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 85, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 85, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 85, 31);  
box-shadow:4px 4px 4px 4px rgb(164, 85,  
31) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8057, 14.4884, 3.1017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 85, 31) }
```

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

```
.background{ background-color: rgb(164, 85,  
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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