

Converting Colors

XYZ(18.7165, 12.2496, 2.6095)

Have a look what the booklet for
XYZ(18.7165, 12.2496, 2.6095)
contains.

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Color

**XYZ(18.8064, 12.3067,
2.6125)**

Conversions

Conversions Part 1

Format	Color
Hex	AB3F1E
RGB	171, 63, 30
RGB Percent	67%, 25%, 12%
CMY	0.3294, 0.7529, 0.8823
CMYK	0.00, 0.63, 0.82, 0.33
HSL	14°, 70%, 39%
HSV	14°, 82%, 67%
XYZ	18.8064, 12.3067, 2.6125
YIQ	91.5300, 74.9610, 12.6330

Conversions

Conversions Part 2

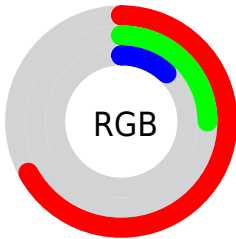
Format	Color
R_{YB}	171, 73, 30
Decimal	11222814
CIE _{Lab}	41.70, 42.65, 41.80
CIE _{LCh}	42, 59.718, 44.420
Yxy	12.3067, 0.5576, 0.3649
Android (android.graphics.Color)	4289412894 (0xFFAB3F1E)
YUV	91.5300, -30.3343, 69.6952
Hunter-Lab	35.0809, 34.2999, 20.1413

Details

The XYZ color **18.8064, 12.3067, 2.6125** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **16.9735, 21.3911, 41.7619**, and the grayscale version is **10.1206, 10.6477, 11.5953**.

A 20% lighter version of the original color is **41.0746, 30.1209, 10.6702**, and **6.5881, 3.4446, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **18.0032, 10.9602, 1.5441**, and if you desaturate by 10%, it is **19.9012, 14.0472, 4.3625**.

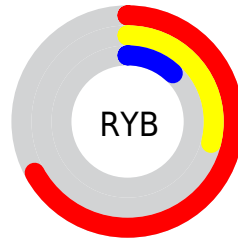
Distribution



Red (67%)

Green (25%)

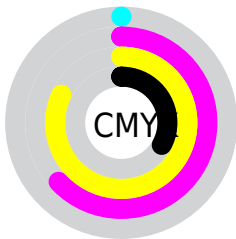
Blue (12%)



Red (67%)

Yellow (29%)

Blue (12%)

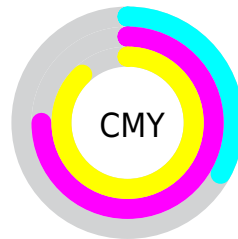


Cyan (0%)

Magenta (63%)

Yellow (82%)

Black (33%)



Cyan (33%)


Magenta (75%)


Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 18.8064, 12.3067, 2.6125 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 18.8064, 12.3067, 2.6125 by changing the saturation by 10% instead.


 18.8064, 12.3067,
2.6125


 18.8064, 12.3067,
2.6125


238.3366,
206.4253, 131.2610


 11.6336, 6.9529,
0.8989


 40.9261, 30.0525,
10.6563


 6.5652, 3.4327,
0.0000


 56.6038, 43.2133,
17.8250

 3.2356, 1.3616,
0.0000

 75.8471, 59.7452,
27.6497

 1.2795, 0.1881,
0.0000

 99.0215, 80.0326,
40.5488


 0.1678, 0.0000,
0.0000


 126.4923,
104.4599, 56.9410


 0.0000, 0.0000,
0.0000


 158.6248,


133.4115, 77.2447


 195.7845,
167.2719, 101.8785


 18.8064, 12.3067,
2.6125


 18.8064, 12.3067,
2.6125


 18.0032, 10.9602,
1.5441


 19.9012, 14.0472,
4.3625

 17.5542, 10.1774,
1.0392

 21.3147, 16.2086,
6.8856

 23.0716, 18.8179,
10.2600

 25.1939, 21.8991,
14.5537

 27.7013, 25.4743,
19.8280

■ 30.6125, 29.5642,
26.1388

■ 33.9445, 34.1885,
33.5377

■ 37.7136, 39.3657,
42.0730

■ 41.9351, 45.1133,
51.7900

Harmonies

Analogous

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



21.9026, 12.3067, 8.2442



18.8064, 12.3067, 2.6125



14.1094, 12.3067, 1.0054

Triad

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



18.8064, 12.3067, 2.6125



5.3133, 12.3067, 7.9073



13.9234, 12.3067, 52.9919

Complementary

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



18.8064, 12.3067, 2.6125



16.9735, 21.3911, 41.7619

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.



9.5768, 12.3067, 52.6761



18.8064, 12.3067, 2.6125



5.2872, 12.3067, 20.3522

Square

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



18.8064, 12.3067, 2.6125



6.7353, 12.3067, 2.4980



6.6521, 12.3067, 38.3797



18.6412, 12.3067, 39.0812

Rectangle

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



18.8064, 12.3067, 2.6125



11.0598, 12.3067, 0.8638



6.6521, 12.3067, 38.3797



12.3585, 12.3067, 54.7322

Sweetspot

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



18.8067, 12.3074, 2.6127



53.1913, 50.6624, 43.2384



21.8534, 11.4243, 25.1359



11.4635, 10.7385, 8.7782



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.



18.8067, 12.3074, 2.6127



31.3926, 18.1150, 1.9057



25.4711, 25.6363, 4.8342



8.1518, 8.3084, 8.3874



13.2682, 7.7418, 0.7950



0.4105, 0.2982, 0.0359

Inverse Universe

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



16.9735, 21.3911, 41.7619



27.6491, 34.1934, 74.1446



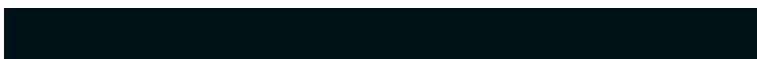
9.9291, 7.3023, 39.4138



8.0750, 8.7494, 10.2159



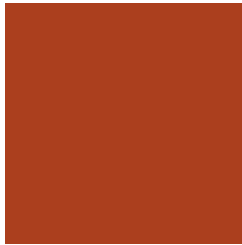
11.6984, 14.5307, 31.2326



0.3637, 0.4807, 0.8816

Previews

White Background



This preview shows how the XYZ color 18.8064, 12.3067, 2.6125 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 18.8064, 12.3067, 2.6125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

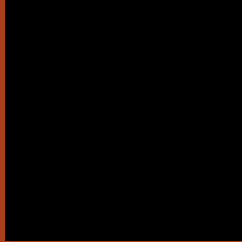
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 18.8064, 12.3067, 2.6125

Background



This preview shows how black text looks on a background with the XYZ color 18.8064, 12.3067, 2.6125.



This preview shows how white text looks on a background with the XYZ color 18.8064, 12.3067,

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

18.8064, 12.3067, 2.6125

Protanopia

11.4004, 12.4564, 3.8109

Deuteranopia

12.5693, 12.4091, 2.3050



Tritanopia

19.4744, 12.2575, 6.0421

Trichromacy



Original Color

18.8064, 12.3067, 2.6125

Protanomaly

13.3191, 11.7695, 3.2388

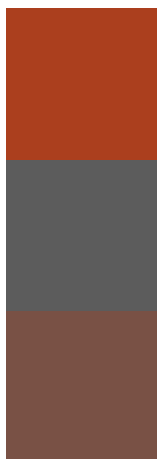
Deuteranomaly

14.3934, 11.9952, 2.3158

Tritanomaly

19.2267, 12.2414, 4.4814

Monochromacy



Original Color

18.8064, 12.3067, 2.6125

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.9018, 10.3795, 7.0064

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8064, 12.3067, 2.6125 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(171, 63, 30)` looks like.

```
.text, #text, p{  
    color:rgb(171, 63, 30)  
}
```

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(171, 63, 30) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 63, 30) }
```

Border

The CSS property to change the border of an element to XYZ 18.8064, 12.3067, 2.6125 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(171, 63, 30) }
```


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

```
.border{ border-color:rgb(171, 63, 30) }
```

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

Here you see how a box with a 4 pixel rgb(171, 63, 30) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 63, 30); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 63, 30);  
box-shadow:4px 4px 4px 4px rgb(171, 63,  
30) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8064, 12.3067, 2.6125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 63, 30) }
```

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

```
.background{ background-color: rgb(171, 63,  
30) }
```

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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