

Converting Colors

XYZ(17.6714, 12.5555, 0.0000)

Have a look what the booklet for
XYZ(17.6714, 12.5555, 0.0000)
contains.

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Color

**XYZ(18.0432, 12.7417,
1.5084)**

Conversions

Conversions Part 1

Format	Color
Hex	A64800
RGB	166, 72, 0
RGB Percent	65%, 28%, 0%
CMY	0.3490, 0.7176, 1.0000
CMYK	0.00, 0.57, 1.00, 0.35
HSL	26°, 100%, 33%
HSV	26°, 100%, 65%
XYZ	18.0432, 12.7417, 1.5084
YIQ	91.8980, 79.1360, -2.4640

Conversions

Conversions Part 2

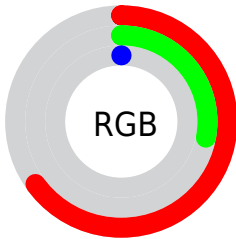
Format	Color
R_{YB}	166, 127, 0
Decimal	10897408
CIE Lab	42.37, 35.76, 52.61
CIE LCh	42, 63.610, 55.793
Yxy	12.7417, 0.5587, 0.3946
Android (android.graphics.Color)	4289087488 (0xFFA64800)
YUV	91.8980, -45.3057, 64.9875
Hunter-Lab	35.6955, 27.7602, 22.4814

Details

The XYZ color **18.0432, 12.7417, 1.5084** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.8852, 10.7578, 37.5787**, and the grayscale version is **10.2380, 10.7711, 11.7298**.

A 20% lighter version of the original color is **39.7917, 30.9454, 7.6172**, and **6.2308, 3.6380, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **18.0434, 12.7422, 1.5085**, and if you desaturate by 10%, it is **18.7965, 14.0914, 2.2434**.

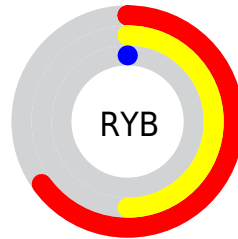
Distribution



Red (65%)

Green (28%)

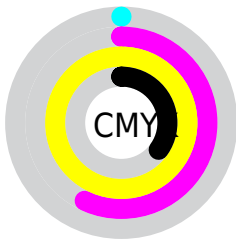
Blue (0%)



Red (65%)

Yellow (50%)

Blue (0%)

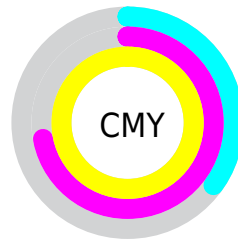


Cyan (0%)

Magenta (57%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (72%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the XYZ color 18.0432, 12.7417, 1.5084 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 18.0432, 12.7417, 1.5084 by changing the saturation by 10% instead.


 18.0432, 12.7417,
1.5084


 18.0432, 12.7417,
1.5084


 234.1553,
209.2556, 114.2043


 11.0809, 7.2509,
0.2242


 39.6404, 30.8390,
7.6471


 6.1890, 3.6195,
0.0000


 55.0061, 44.2142,
13.5119

 3.0021, 1.4631,
0.0000

 73.9035, 60.9864,
21.7983

 1.1549, 0.2625,
0.0000

 96.6981, 81.5400,
32.9249


 0.0703, 0.0000,
0.0000


 123.7552,
106.2593, 47.3103


 0.0000, 0.0000,
0.0000


 155.4402,


135.5287, 65.3729


 192.1185,
169.7327, 87.5314


 18.0432, 12.7417,
1.5084


 18.0432, 12.7417,
1.5084


 18.0434, 12.7422,
1.5085

 18.7965, 14.0914,
2.2434

 19.7275, 15.6667,
3.4380

 20.8740, 17.4891,
5.2709

 22.2543, 19.5716,
7.8214

 23.8843, 21.9259,
11.1573

■ 25.7786, 24.5629,
15.3383

■ 27.9500, 27.4928,
20.4182

■ 30.4108, 30.7251,
26.4463

■ 33.1723, 34.2689,
33.4684

Harmonies

Analogous

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



22.4063, 12.7417, 5.2864



18.0432, 12.7417, 1.5084



12.7970, 12.7417, 0.6723

Triad

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



18.0432, 12.7417, 1.5084



5.0656, 12.7417, 12.0319



16.5632, 12.7417, 53.5949

Complementary

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



18.0432, 12.7417, 1.5084



10.8852, 10.7578, 37.5787

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.



11.4492, 12.7417, 60.1215



18.0432, 12.7417, 1.5084



5.5800, 12.7417, 28.7568

Square

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



18.0432, 12.7417, 1.5084



5.9917, 12.7417, 3.7171



7.6459, 12.7417, 48.9829



21.4061, 12.7417, 34.5398

Rectangle

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



18.0432, 12.7417, 1.5084



9.7787, 12.7417, 0.8282



7.6459, 12.7417, 48.9829



14.7865, 12.7417, 57.7034

Sweetspot

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



18.0435, 12.7424, 1.5086



50.4932, 49.5859, 36.4976



17.7491, 8.9163, 11.3911



10.9304, 10.6018, 7.2938



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



18.0435, 12.7424, 1.5086



32.5454, 22.7221, 2.6705



27.4359, 31.5272, 4.6394



7.7888, 8.0576, 7.9340



14.0367, 9.9707, 1.1847



0.3927, 0.3450, 0.0459

Inverse Universe

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



10.8852, 10.7578, 37.5787



19.5416, 19.0961, 68.1313



7.0034, 2.9941, 36.2848



7.4710, 7.9789, 9.5647



8.4880, 8.4363, 29.1565



0.2560, 0.3041, 0.7259

Previews

White Background



This preview shows how the XYZ color 18.0432, 12.7417, 1.5084 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



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 18.0432, 12.7417, 1.5084

Background



This preview shows how black text looks on a background with the XYZ color 18.0432, 12.7417, 1.5084.



This preview shows how white text looks on a background with the XYZ color 18.0432, 12.7417,

1.5084.

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

18.0432, 12.7417, 1.5084

Protanopia

11.6866, 12.9222, 2.3685

Deuteranopia

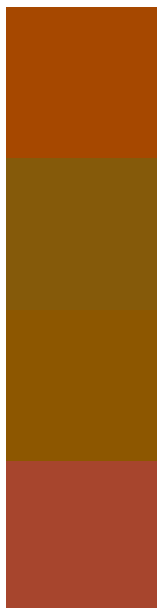
12.9353, 12.8778, 1.8039



Tritanopia

19.2929, 12.7941, 7.4139

Trichromacy



Original Color

18.0432, 12.7417, 1.5084

Protanomaly

13.3838, 12.3208, 1.9599

Deuteranomaly

14.3927, 12.4791, 1.6501

Tritanomaly

18.5381, 12.6612, 3.9494

Monochromacy



Original Color

18.0432, 12.7417, 1.5084

Achromatopsia

10.1725, 10.7023, 11.6548

Achromatomaly

11.6457, 10.7347, 5.5959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.0432, 12.7417, 1.5084 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(166, 72, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 72, 0)  
}
```

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(166, 72, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 72, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.0432, 12.7417, 1.5084 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(166, 72, 0) }
```


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

```
.border{ border-color:rgb(166, 72, 0) }
```

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

Here you see how a box with a 4 pixel rgb(166, 72, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 72, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 72, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 72, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.0432, 12.7417, 1.5084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 72, 0) }
```

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

```
.background{ background-color: rgb(166, 72,  
0) }
```

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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