

Converting Colors

XYZ(18.2716, 13.2764, 1.5996)

Have a look what the booklet for
XYZ(18.2716, 13.2764, 1.5996)
contains.

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Color

**XYZ(18.3103, 13.2759,
1.5974)**

Conversions

Conversions Part 1

Format	Color
Hex	A64C00
RGB	166, 76, 0
RGB Percent	65%, 30%, 0%
CMY	0.3490, 0.7019, 1.0000
CMYK	0.00, 0.54, 1.00, 0.35
HSL	27°, 100%, 33%
HSV	27°, 100%, 65%
XYZ	18.3103, 13.2759, 1.5974
YIQ	94.2460, 78.0360, -4.5560

Conversions

Conversions Part 2

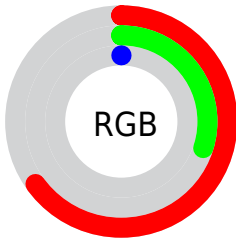
Format	Color
R_{YB}	166, 140, 0
Decimal	10898432
CIE _{Lab}	43.18, 33.70, 53.07
CIE _{LCh}	43, 62.865, 57.580
Yxy	13.2759, 0.5518, 0.4001
Android (android.graphics.Color)	4289088512 (0xFFA64C00)
YUV	94.2460, -46.4633, 62.9283
Hunter-Lab	36.4361, 25.9387, 22.9059

Details

The XYZ color **18.3103, 13.2759, 1.5974** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **10.5386, 10.0646, 37.4632**, and the grayscale version is **10.7919, 11.3540, 12.3645**.

A 20% lighter version of the original color is **40.0064, 31.8050, 7.9013**, and **6.4553, 3.9097, 0.4144** is the 20% darker color. If you saturate the color by 10%, you get **18.3105, 13.2765, 1.5976**, and if you desaturate by 10%, it is **19.0727, 14.6440, 2.3355**.

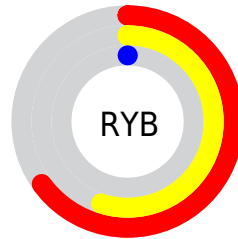
Distribution



Red (65%)

Green (30%)

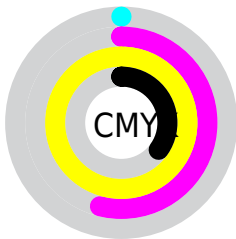
Blue (0%)



Red (65%)

Yellow (55%)

Blue (0%)

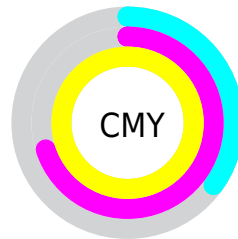


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (70%)


Yellow (100%)


Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3103, 13.2759, 1.5974 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 18.3103, 13.2759, 1.5974 by changing the saturation by 10% instead.


 18.3103, 13.2759,
1.5974


 18.3103, 13.2759,
1.5974


 235.6262,
212.6784, 115.7739


 11.2740, 7.6188,
0.2890


 40.0913, 31.7986,
7.9076

 6.3201, 3.8520,
0.0000


 55.5668, 45.4329,
13.8919

 3.0832, 1.5911,
0.0000

 74.5860, 62.4952,
22.3204

 1.1979, 0.3516,
0.0000

 97.5144, 83.3697,
33.6115

 0.1047, 0.0000,
0.0000


 124.7172,
108.4409, 48.1839


 0.0000, 0.0000,
0.0000


 156.5599,


138.0931, 66.4561


 193.4078,
172.7108, 88.8465


 18.3103, 13.2759,
1.5974


 18.3103, 13.2759,
1.5974


 18.3105, 13.2765,
1.5976

 19.0727, 14.6440,
2.3355

 20.0062, 16.2241,
3.5308

 21.1478, 18.0368,
5.3620

 22.5155, 20.0942,
7.9084

 24.1248, 22.4070,
11.2373

■ 25.9897, 24.9852,
15.4085

■ 28.1227, 27.8383,
20.4755

■ 30.5357, 30.9751,
26.4877

■ 33.2397, 34.4038,
33.4906

Harmonies

Analogous

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



22.8261, 13.2759, 5.2777



18.3103, 13.2759, 1.5974



13.0164, 13.2759, 0.8133

Triad

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



18.3103, 13.2759, 1.5974



5.4038, 13.2759, 13.3561



17.4496, 13.2759, 53.4281

Complementary

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



18.3103, 13.2759, 1.5974



10.5386, 10.0646, 37.4632

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.



12.2285, 13.2759, 60.9581



18.3103, 13.2759, 1.5974



6.0237, 13.2759, 30.6909

Square

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



18.3103, 13.2759, 1.5974



6.2675, 13.2759, 4.3411



8.2482, 13.2759, 50.7762



22.2462, 13.2759, 34.0335

Rectangle

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



18.3103, 13.2759, 1.5974



10.0049, 13.2759, 1.0155



8.2482, 13.2759, 50.7762



15.6513, 13.2759, 57.8184

Sweetspot

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



18.3106, 13.2766, 1.5976



50.8113, 50.2219, 36.6036



17.6270, 8.8675, 10.7481



11.0083, 10.7575, 7.3197



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.



18.3106, 13.2766, 1.5976



33.0258, 23.6831, 2.8306



27.9013, 32.4582, 4.7945



7.8035, 8.0870, 7.9389



14.2448, 10.3868, 1.2541



0.3981, 0.3557, 0.0477

Inverse Universe

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



10.5386, 10.0646, 37.4632



18.9125, 17.8380, 67.9216



6.9730, 2.9334, 36.2747



7.4561, 7.9490, 9.5597



8.2194, 7.8989, 29.0669



0.2502, 0.2927, 0.7239

Previews

White Background



This preview shows how the XYZ color 18.3103, 13.2759, 1.5974 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 18.3103, 13.2759, 1.5974 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 18.3103, 13.2759, 1.5974

Background



This preview shows how black text looks on a background with the XYZ color 18.3103, 13.2759, 1.5974.



This preview shows how white text looks on a background with the XYZ color 18.3103, 13.2759,

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

18.3103, 13.2759, 1.5974

Protanopia

12.1389, 13.4480, 2.4079

Deuteranopia

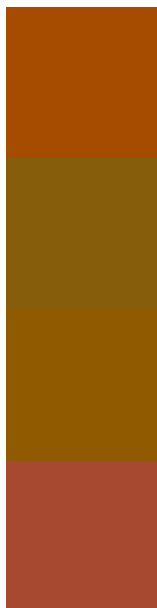
13.5736, 13.4812, 1.8867



Tritanopia

19.6717, 13.3393, 8.1945

Trichromacy



Original Color

18.3103, 13.2759, 1.5974

Protanomaly

13.8007, 12.9189, 2.0534

Deuteranomaly

14.9839, 13.1520, 1.7488

Tritanomaly

18.8524, 13.1940, 4.3494

Monochromacy



Original Color

18.3103, 13.2759, 1.5974

Achromatopsia

10.6392, 11.1932, 12.1894

Achromatomaly

11.9695, 11.1357, 5.7935

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3103, 13.2759, 1.5974 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, 76, 0)` looks like.

```
.text, #text, p{  
    color:rgb(166, 76, 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, 76, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 76, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3103, 13.2759, 1.5974 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, 76, 0) }
```


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

```
.border{ border-color:rgb(166, 76, 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, 76, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 76, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 76, 0);  
box-shadow:4px 4px 4px 4px rgb(166, 76, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.3103, 13.2759, 1.5974 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 76, 0) }
```

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

```
.background{ background-color: rgb(166, 76,  
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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