

Converting Colors

XYZ(18.4557, 18.1166, 2.5249)

Have a look what the booklet for
XYZ(18.4557, 18.1166, 2.5249)
contains.

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Color

**XYZ(18.3718, 18.0724,
2.5200)**

Conversions

Conversions Part 1

Format	Color
Hex	967000
RGB	150, 112, 0
RGB Percent	59%, 44%, 0%
CMY	0.4118, 0.5608, 1.0000
CMYK	0.00, 0.25, 1.00, 0.41
HSL	45°, 100%, 29%
HSV	45°, 100%, 59%
XYZ	18.3718, 18.0724, 2.5200
YIQ	110.5940, 58.6000, -26.7760

Conversions

Conversions Part 2

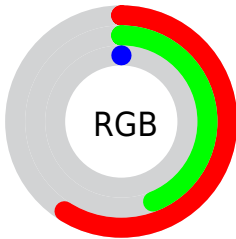
Format	Color
R_{YB}	51, 150, 0
Decimal	9859072
CIE _{Lab}	49.58, 6.41, 56.08
CIE _{LCh}	50, 56.444, 83.483
Yxy	18.0724, 0.4715, 0.4638
Android (android.graphics.Color)	4288049152 (0xFF967000)
YUV	110.5940, -54.5228, 34.5591
Hunter-Lab	42.5116, 2.7450, 26.2436

Details

The XYZ color **18.3718, 18.0724, 2.5200** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **6.1981, 3.5883, 29.2197**, and the grayscale version is **15.1333, 15.9214, 17.3384**.

A 20% lighter version of the original color is **40.0350, 39.9744, 10.4563**, and **6.5064, 6.1603, 0.8461** is the 20% darker color. If you saturate the color by 10%, you get **18.3720, 18.0730, 2.5201**, and if you desaturate by 10%, it is **18.8866, 18.9641, 3.1172**.

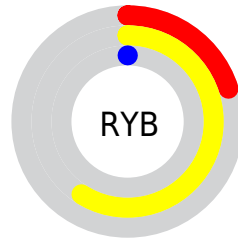
Distribution



Red (59%)

Green (44%)

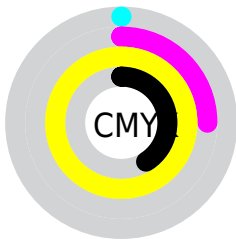
Blue (0%)



Red (20%)

Yellow (59%)

Blue (0%)

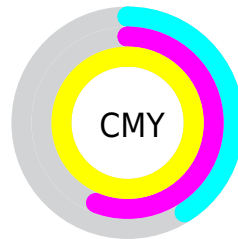


Cyan (0%)

Magenta (25%)

Yellow (100%)

Black (41%)



Cyan (41%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.3718, 18.0724, 2.5200 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 18.3718, 18.0724, 2.5200 by changing the saturation by 10% instead.

■ 18.3718, 18.0724,
2.5200

■ 18.3718, 18.0724,
2.5200

235.9637,
241.2788, 129.9905

■ 11.3186, 11.0020,
0.8507

■ 40.1950, 40.1607,
10.4191

■ 6.3504, 6.0682,
0.0000

■ 55.6956, 55.9473,
17.4904

■ 3.1020, 2.8866,
0.0000

■ 74.7428, 75.4081,
27.2009

■ 1.2079, 1.0728,
0.0000

■ 97.7018, 98.9275,
39.9691


■ 0.1126, 0.0000,
0.0000


■ 124.9381,
126.8899, 56.2137


■ 0.0000, 0.0000,
0.0000


■ 156.8169,


159.6796, 76.3530


 193.7036,
197.6811, 100.8058


 18.3718, 18.0724,
2.5200


 18.3718, 18.0724,
2.5200


 18.3720, 18.0730,
2.5201

 18.8866, 18.9641,
3.1172

 19.4808, 19.9155,
4.0460

 20.1844, 20.9396,
5.4611

 21.0089, 22.0415,
7.4229

 21.9643, 23.2253,
9.9829

■ 23.0596, 24.4950,
13.1867

■ 24.3026, 25.8541,
17.0755

■ 25.7008, 27.3058,
21.6869

■ 27.2609, 28.8531,
27.0559

Harmonies

Analogous

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



24.0564, 18.0724, 4.2255



18.3718, 18.0724, 2.5200



13.3948, 18.0724, 3.1360

Triad

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



18.3718, 18.0724, 2.5200



9.3629, 18.0724, 33.9104



26.8446, 18.0724, 42.9375

Complementary

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



18.3718, 18.0724, 2.5200



6.1981, 3.5883, 29.2197

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.



21.6122, 18.0724, 60.9676



18.3718, 18.0724, 2.5200



11.7531, 18.0724, 54.1319

Square

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



18.3718, 18.0724, 2.5200



8.8483, 18.0724, 16.5190



16.0357, 18.0724, 65.8758



29.5622, 18.0724, 23.2155

Rectangle

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



18.3718, 18.0724, 2.5200



11.0251, 18.0724, 5.1056



16.0357, 18.0724, 65.8758



25.2752, 18.0724, 49.7382

Sweetspot

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



18.3722, 18.0733, 2.5203



42.7513, 45.4801, 29.6914



12.9606, 6.6373, 2.6059



9.2840, 9.8738, 5.9762



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



18.3722, 18.0733, 2.5203



32.2778, 31.6048, 4.3991



17.9765, 25.4573, 3.9665



6.1423, 6.4985, 6.1711



15.2640, 15.0423, 2.0990



0.2103, 0.2312, 0.0335

Inverse Universe

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



6.1981, 3.5883, 29.2197



10.8173, 6.0903, 51.5267



6.1983, 2.5595, 29.0211



5.6118, 5.8576, 7.3046



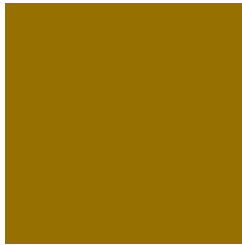
5.1633, 3.0213, 24.2421



0.0839, 0.0784, 0.3036

Previews

White Background



This preview shows how the XYZ color 18.3718, 18.0724, 2.5200 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 18.3718, 18.0724, 2.5200 looks on a black 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

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

XYZ 18.3718, 18.0724, 2.5200

Background



This preview shows how black text looks on a background with the XYZ color 18.3718, 18.0724, 2.5200.



This preview shows how white text looks on a background with the XYZ color 18.3718, 18.0724,

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

18.3718, 18.0724, 2.5200

Protanopia

16.3135, 18.1977, 2.8824

Deuteranopia

18.3718, 18.0724, 2.5200



Tritanopia

21.3925, 18.0390, 17.6836

Trichromacy



Original Color

18.3718, 18.0724, 2.5200

Protanomaly

16.9202, 17.9907, 2.7243

Deuteranomaly

18.3718, 18.0724, 2.5200

Tritanomaly

19.5319, 17.7426, 8.3565

Monochromacy



Original Color

18.3718, 18.0724, 2.5200

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2792, 16.1838, 8.2797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.3718, 18.0724, 2.5200 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(150, 112, 0)` looks like.

```
.text, #text, p{  
    color:rgb(150, 112, 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(150, 112, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 112, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.3718, 18.0724, 2.5200 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(150, 112, 0) }
```


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

```
.border{ border-color:rgb(150, 112, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 112, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 112, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 112, 0);  
box-shadow:4px 4px 4px 4px rgb(150, 112,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.3718, 18.0724, 2.5200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 112, 0) }
```

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

```
.background{ background-color: rgb(150,  
112, 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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