

Converting Colors

XYZ(18.5435, 14.9659, 0.5135)

Have a look what the booklet for
XYZ(18.5435, 14.9659, 0.5135)
contains.

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Color

**XYZ(18.7604, 15.0989,
1.9256)**

Conversions

Conversions Part 1

Format	Color
Hex	A35A00
RGB	163, 90, 0
RGB Percent	64%, 35%, 0%
CMY	0.3608, 0.6470, 1.0000
CMYK	0.00, 0.45, 1.00, 0.36
HSL	33°, 100%, 32%
HSV	33°, 100%, 64%
XYZ	18.7604, 15.0989, 1.9256
YIQ	101.5670, 72.3980, -12.5140

Conversions

Conversions Part 2

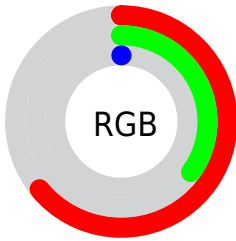
Format	Color
R_{YB}	132, 163, 0
Decimal	10705408
CIE _{Lab}	45.77, 24.87, 54.39
CIE _{LCh}	46, 59.809, 65.426
Yxy	15.0989, 0.5243, 0.4219
Android (android.graphics.Color)	4288895488 (0xFFA35A00)
YUV	101.5670, -50.0725, 53.8767
Hunter-Lab	38.8573, 18.1800, 24.2620

Details

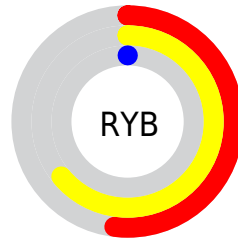
The XYZ color **18.7604, 15.0989, 1.9256** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **8.9933, 7.4092, 35.6060**, and the grayscale version is **12.6300, 13.2878, 14.4704**.

A 20% lighter version of the original color is **40.7719, 35.0640, 8.8941**, and **6.6896, 4.7310, 0.5606** is the 20% darker color. If you saturate the color by 10%, you get **18.7605, 15.0994, 1.9257**, and if you desaturate by 10%, it is **19.5028, 16.4306, 2.6457**.

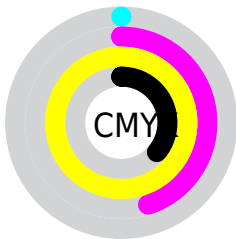
Distribution



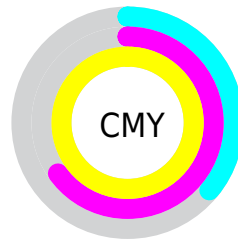
- Red (64%)
- Green (35%)
- Blue (0%)



- Red (52%)
- Yellow (64%)
- Blue (0%)



- Cyan (0%)
- Magenta (45%)
- Yellow (100%)
- Black (36%)





- Cyan (36%)
- Magenta (65%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.7604, 15.0989, 1.9256 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 18.7604, 15.0989, 1.9256 by changing the saturation by 10% instead.


 18.7604, 15.0989,
1.9256


 18.7604, 15.0989,
1.9256


 238.0864,
223.9641, 121.2106


 11.6003, 8.8888,
0.5089


 40.8488, 35.0266,
8.8364


 6.5424, 4.6687,
0.0000


 56.5079, 49.5130,
15.2355


 3.2213, 2.0542,
0.0000

 75.7305, 67.5270,
24.1552

 1.2719, 0.6387,
0.0000

 98.8822, 89.4529,
36.0139

 0.1620, 0.0000,
0.0000


 126.3283,
115.6752, 51.2303


 0.0000, 0.0000,
0.0000


 158.4341,


146.5782, 70.2228


 195.5651,
182.5464, 93.4101


 18.7604, 15.0989,
1.9256


 18.7604, 15.0989,
1.9256


 18.7605, 15.0994,
1.9257

 19.5028, 16.4306,
2.6457

 20.3845, 17.9168,
3.7939

 21.4400, 19.5746,
5.5434

 22.6852, 21.4127,
7.9695

 24.1336, 23.4389,
11.1362

■ 25.7973, 25.6603,
15.1001

■ 27.6873, 28.0837,
19.9120

■ 29.8136, 30.7152,
25.6188

■ 32.1858, 33.5606,
32.2635

Harmonies

Analogous

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



23.7624, 15.0989, 5.0443



18.7604, 15.0989, 1.9256



13.4558, 15.0989, 1.4093

Triad

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



18.7604, 15.0989, 1.9256



6.7157, 15.0989, 19.2009



20.7187, 15.0989, 50.9139

Complementary

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



18.7604, 15.0989, 1.9256



8.9933, 7.4092, 35.6060

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.



15.2852, 15.0989, 62.3023



18.7604, 15.0989, 1.9256



7.8248, 15.0989, 38.2888

Square

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



18.7604, 15.0989, 1.9256



7.2302, 15.0989, 7.4023



10.6931, 15.0989, 56.6841



25.0655, 15.0989, 30.8581

Rectangle

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



18.7604, 15.0989, 1.9256



10.5863, 15.0989, 1.9676



10.6931, 15.0989, 56.6841



18.9168, 15.0989, 56.2875

Sweetspot

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



18.7607, 15.0997, 1.9259



49.3861, 50.0439, 35.1379



16.3184, 8.2723, 7.1013



10.7776, 10.8403, 7.0806



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.



18.7607, 15.0997, 1.9259



33.3964, 26.6367, 3.3812



26.5857, 33.1477, 4.9971



7.3828, 7.7039, 7.4780



14.6264, 11.8268, 1.5119



0.3536, 0.3411, 0.0472

Inverse Universe

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



8.9933, 7.4092, 35.6060



15.9122, 12.8812, 63.7038



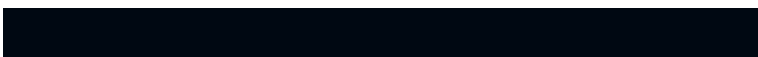
6.7129, 2.6970, 34.8167



6.9494, 7.3578, 8.9570



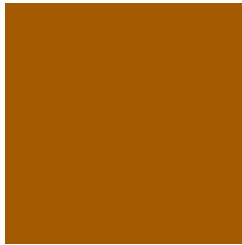
7.0334, 5.8463, 27.6875



0.1947, 0.2167, 0.5974

Previews

White Background



This preview shows how the XYZ color 18.7604, 15.0989, 1.9256 looks on a white background.

Color Contrast Check

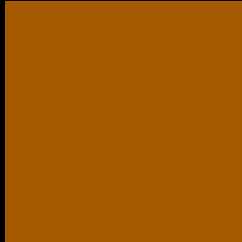
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.7604, 15.0989, 1.9256 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 18.7604, 15.0989, 1.9256

Background



This preview shows how black text looks on a background with the XYZ color 18.7604, 15.0989, 1.9256.



This preview shows how white text looks on a background with the XYZ color 18.7604, 15.0989,

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

18.7604, 15.0989, 1.9256

Protanopia

13.7097, 15.1773, 2.5877

Deuteranopia

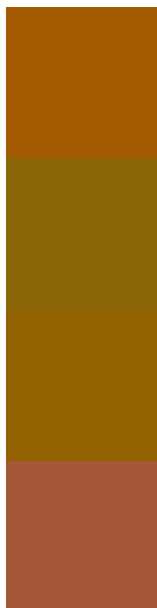
15.3315, 15.1038, 2.1073



Tritanopia

20.7417, 15.1858, 11.5108

Trichromacy



Original Color

18.7604, 15.0989, 1.9256

Protanomaly

15.2764, 14.9235, 2.3051

Deuteranomaly

16.4003, 14.9384, 2.0190

Tritanomaly

19.5834, 14.9503, 5.7244

Monochromacy



Original Color

18.7604, 15.0989, 1.9256

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.6340, 13.4021, 6.8693

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.7604, 15.0989, 1.9256 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(163, 90, 0)` looks like.

```
.text, #text, p{  
    color:rgb(163, 90, 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(163, 90, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 90, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.7604, 15.0989, 1.9256 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(163, 90, 0) }
```


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

```
.border{ border-color:rgb(163, 90, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 90, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 90, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 90, 0);  
box-shadow:4px 4px 4px 4px rgb(163, 90, 0)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.7604, 15.0989, 1.9256 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 90, 0) }
```

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

```
.background{ background-color: rgb(163, 90,  
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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