

Converting Colors

$Y_{xy}(18.0460, 0.4763, 0.4533)$

Have a look what the booklet for
Yxy(18.0460, 0.4763, 0.4533)
contains.

Yxy(18.0460, 0.4763, 0.4533)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.0460, 0.4763, 0.4533)

Conversions

Conversions Part 1

Format	Color
Hex	9A6E0B
RGB	154, 110, 11
RGB Percent	60%, 43%, 4%
CMY	0.3961, 0.5686, 0.9566
CMYK	0.00, 0.29, 0.93, 0.40
HSL	42°, 87%, 32%
HSV	42°, 93%, 60%
XYZ	18.9616, 18.0460, 2.8026
YIQ	111.8700, 58.0030, -21.4610

Conversions

Conversions Part 2

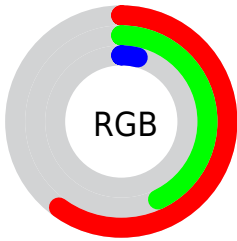
Format	Color
R_{YB}	75, 154, 11
Decimal	10120715
CIE Lab	49.55, 9.61, 53.97
CIE LCh	50, 54.817, 79.908
Yxy	18.0460, 0.4763, 0.4533
Android (android.graphics.Color)	4288310795 (0xFF9A6E0B)
YUV	111.8700, -49.7289, 36.9480
Hunter-Lab	42.4806, 5.3343, 25.8248

Details

The Yxy color **18.0460, 0.4763, 0.4533** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.1425, 0.1681, 0.1178**, and the grayscale version is **16.3019, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.0655, 0.4460, 0.4331**, and **6.1517, 0.4940, 0.4460** is the 20% darker color. If you saturate the color by 10%, you get **17.3009, 0.4853, 0.4529**, and if you desaturate by 10%, it is **19.1496, 0.4623, 0.4513**.

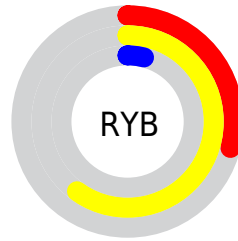
Distribution



Red (60%)

Green (43%)

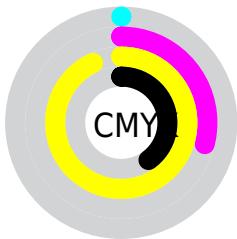
Blue (4%)



Red (29%)

Yellow (60%)

Blue (4%)

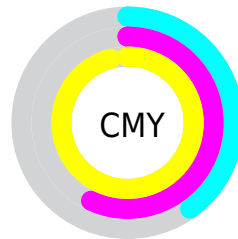


Cyan (0%)

Magenta (29%)

Yellow (93%)

Black (40%)



Cyan (40%)

Magenta (57%)

Yellow (96%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0460, 0.4763, 0.4533 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 Yxy color 18.0460, 0.4763, 0.4533 by changing the saturation by 10% instead.


 18.0460, 0.4763,
0.4533


 18.0460, 0.4763,
0.4533


241.1302, 0.3895,
0.3926


 10.9830, 0.4951,
0.4629


 40.1157, 0.4456,
0.4340


 6.0554, 0.5231,
0.4769

 55.8912, 0.4335,
0.4256


 2.8788, 0.5329,
0.4671

 75.3397, 0.4232,
0.4182

 1.0688, 0.5498,
0.4502

 98.8455, 0.4145,
0.4118


 0.0000, 1.0000,
0.0000

 126.7930, 0.4069,
0.4061

 0.0000, 0.0000,
0.0000

 159.5668, 0.4003,

0.4011


 197.5510, 0.3945,
0.3966


 18.0460, 0.4763,
0.4533


 18.0460, 0.4763,
0.4533


 17.3009, 0.4853,
0.4529

 19.1496, 0.4623,
0.4513

 20.3449, 0.4456,
0.4445

 21.6390, 0.4269,
0.4336

 23.0368, 0.4072,
0.4195

 24.5431, 0.3873,
0.4033

■ 26.1619, 0.3680,
0.3859

■ 27.8972, 0.3496,
0.3681

■ 29.7526, 0.3325,
0.3505

■ 31.7315, 0.3168,
0.3336

Harmonies

Analogous

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



18.0460, 0.5157, 0.3811



18.0460, 0.4763, 0.4533



18.0460, 0.3972, 0.5129

Triad

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



18.0460, 0.4763, 0.4533



18.0460, 0.1602, 0.3085



18.0460, 0.2938, 0.2041

Complementary

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



18.0460, 0.4763, 0.4533



5.1425, 0.1681, 0.1178

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.



18.0460, 0.2089, 0.1814



18.0460, 0.4763, 0.4533



18.0460, 0.1433, 0.2251

Square

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



18.0460, 0.4763, 0.4533



18.0460, 0.2153, 0.4278



18.0460, 0.1596, 0.1863



18.0460, 0.4018, 0.2502

Rectangle

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



18.0460, 0.4763, 0.4533



18.0460, 0.3344, 0.5242



18.0460, 0.1596, 0.1863



18.0460, 0.2617, 0.1937

Sweetspot

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



18.0469, 0.4763, 0.4533



48.8444, 0.3600, 0.3783



7.3989, 0.5442, 0.2842



10.7721, 0.3676, 0.3855



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.0469, 0.4763, 0.4533



31.0767, 0.4869, 0.4516



27.7048, 0.3881, 0.5249



6.9019, 0.3267, 0.3444



14.1628, 0.4847, 0.4534



0.2753, 0.4505, 0.4805

Inverse Universe

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



5.1425, 0.1681, 0.1178



7.6832, 0.1613, 0.1006



2.9724, 0.1661, 0.0734



6.3210, 0.2988, 0.3132



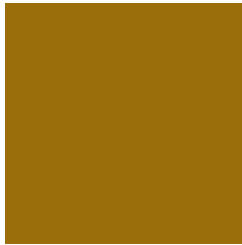
3.6404, 0.1626, 0.1053



0.1136, 0.1846, 0.1845

Previews

White Background



This preview shows how the Yxy color 18.0460, 0.4763, 0.4533 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 Yxy color 18.0460, 0.4763, 0.4533 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](#).

Yxy 18.0460, 0.4763, 0.4533

Background



This preview shows how black text looks on a background with the Yxy color 18.0460, 0.4763, 0.4533.



This preview shows how white text looks on a background with the Yxy color 18.0460, 0.4763, 0.4533.

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

18.0460, 0.4763, 0.4533

Protanopia

18.2119, 0.4345, 0.4840

Deuteranopia

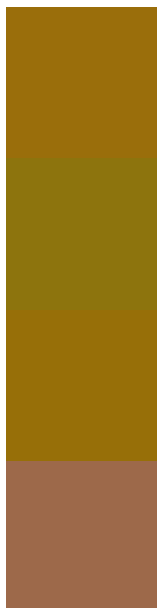
17.9932, 0.4682, 0.4622



Tritanopia

17.9995, 0.3840, 0.3161

Trichromacy



Original Color

18.0460, 0.4763, 0.4533

Protanomaly

18.1826, 0.4498, 0.4727

Deuteranomaly

17.9657, 0.4720, 0.4586

Tritanomaly

17.7657, 0.4314, 0.3796

Monochromacy



Original Color

18.0460, 0.4763, 0.4533

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.3889, 0.3823, 0.3989

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0460, 0.4763, 0.4533 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(154, 110, 11)` looks like.

```
.text, #text, p{  
    color:rgb(154, 110, 11)  
}
```

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(154, 110, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 110, 11) }
```

Border

The CSS property to change the border of an element to Yxy 18.0460, 0.4763, 0.4533 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(154, 110, 11) }
```

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

```
.border{ border-color:rgb(154, 110, 11) }
```

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

Here you see how a box with a 4 pixel rgb(154, 110, 11) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 110, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 110, 11);  
box-shadow:4px 4px 4px 4px rgb(154, 110,  
11) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0460, 0.4763, 0.4533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 110, 11) }
```

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

```
.background{ background-color: rgb(154,  
110, 11) }
```

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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