

Converting Colors

$Y_{xy}(18.6719, 0.4620, 0.4558)$

Have a look what the booklet for
Yxy(18.6719, 0.4620, 0.4558)
contains.

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Color

Yxy(18.6719, 0.4620, 0.4558)

Conversions

Conversions Part 1

Format	Color
Hex	977216
RGB	151, 114, 22
RGB Percent	59%, 45%, 9%
CMY	0.4078, 0.5529, 0.9136
CMYK	0.00, 0.25, 0.85, 0.41
HSL	43°, 75%, 34%
HSV	43°, 85%, 59%
XYZ	18.9259, 18.6719, 3.3673
YIQ	114.5750, 51.5840, -20.7680

Conversions

Conversions Part 2

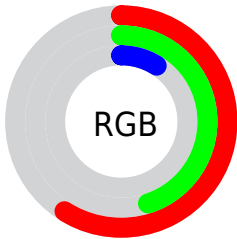
Format	Color
R_{YB}	74, 151, 22
Decimal	9925142
CIE _{Lab}	50.30, 6.19, 51.53
CIE _{LCh}	50, 51.905, 83.148
Yxy	18.6719, 0.4620, 0.4558
Android (android.graphics.Color)	4288115222 (0xFF977216)
YUV	114.5750, -45.6395, 31.9447
Hunter-Lab	43.2110, 2.5616, 25.6274

Details

The Yxy color **18.6719, 0.4620, 0.4558** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.5381, 0.1741, 0.1289**, and the grayscale version is **17.1399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.3357, 0.4337, 0.4351**, and **6.3832, 0.4827, 0.4550** is the 20% darker color. If you saturate the color by 10%, you get **17.6755, 0.4744, 0.4572**, and if you desaturate by 10%, it is **19.7500, 0.4468, 0.4498**.

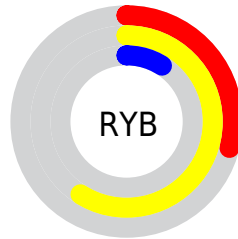
Distribution



Red (59%)

Green (45%)

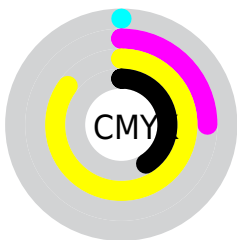
Blue (9%)



Red (29%)

Yellow (59%)

Blue (9%)

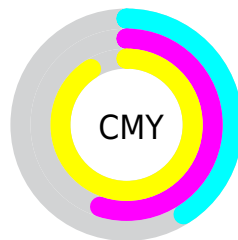


Cyan (0%)

Magenta (25%)

Yellow (85%)

Black (41%)



Cyan (41%)


Magenta (55%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.6719, 0.4620, 0.4558 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 18.6719, 0.4620, 0.4558 by changing the saturation by 10% instead.


 18.6719, 0.4620,
0.4558


 18.6719, 0.4620,
0.4558


244.6314, 0.3827,
0.3917


 11.4334, 0.4796,
0.4678


 41.1789, 0.4337,
0.4342


 6.3592, 0.5083,
0.4879


 57.2163, 0.4227,
0.4254


 3.0647, 0.5164,
0.4836

 76.9555, 0.4133,
0.4177

 1.1656, 0.5272,
0.4728

 100.7808, 0.4054,
0.4111


 0.0333, 0.8458,
0.1542


 129.0766, 0.3985,
0.4053

 0.0000, 0.0000,
0.0000


 162.2274, 0.3925,

0.4002


 200.6176, 0.3873,
0.3957


 18.6719, 0.4620,
0.4558


 18.6719, 0.4620,
0.4558


 17.6755, 0.4744,
0.4572

 19.7500, 0.4468,
0.4498

 17.2371, 0.4799,
0.4572

 20.9134, 0.4294,
0.4395

 22.1679, 0.4106,
0.4258

 23.5179, 0.3913,
0.4097

 24.9674, 0.3722,
0.3921

■ 26.5199, 0.3539,
0.3739

■ 28.1787, 0.3366,
0.3557

■ 29.9472, 0.3207,
0.3382

■ 31.8282, 0.3062,
0.3214

Harmonies

Analogous

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



18.6719, 0.5029, 0.3880



18.6719, 0.4620, 0.4558



18.6719, 0.3851, 0.5060

Triad

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



18.6719, 0.4620, 0.4558



18.6719, 0.1649, 0.3002



18.6719, 0.3057, 0.2141

Complementary

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



18.6719, 0.4620, 0.4558



5.5381, 0.1741, 0.1289

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.



18.6719, 0.2218, 0.1897



18.6719, 0.4620, 0.4558



18.6719, 0.1517, 0.2257

Square

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



18.6719, 0.4620, 0.4558



18.6719, 0.2141, 0.4090



18.6719, 0.1707, 0.1918



18.6719, 0.4072, 0.2605

Rectangle

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



18.6719, 0.4620, 0.4558



18.6719, 0.3251, 0.5091



18.6719, 0.1707, 0.1918



18.6719, 0.2745, 0.2033

Sweetspot

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



18.6728, 0.4620, 0.4558



47.1701, 0.3559, 0.3759



7.4892, 0.5247, 0.2830



10.5177, 0.3616, 0.3817



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



18.6728, 0.4620, 0.4558



30.5418, 0.4813, 0.4560



26.5694, 0.3854, 0.5197



6.9232, 0.3267, 0.3448



14.7129, 0.4794, 0.4576



0.2810, 0.4480, 0.4824

Inverse Universe

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



5.5381, 0.1741, 0.1289



6.8629, 0.1600, 0.0960



3.4342, 0.1767, 0.0857



6.3007, 0.2988, 0.3127



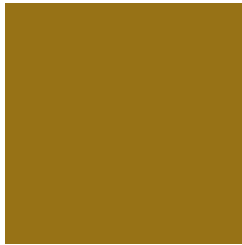
3.4348, 0.1612, 0.1003



0.1078, 0.1828, 0.1780

Previews

White Background



This preview shows how the Yxy color 18.6719, 0.4620, 0.4558 looks on a white 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

Black Background



This preview shows how the Yxy color 18.6719, 0.4620, 0.4558 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 18.6719, 0.4620, 0.4558

Background



This preview shows how black text looks on a background with the Yxy color 18.6719, 0.4620, 0.4558.



This preview shows how white text looks on a background with the Yxy color 18.6719, 0.4620, 0.4558.

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

18.6719, 0.4620, 0.4558

Protanopia

18.6498, 0.4316, 0.4770

Deuteranopia

18.6719, 0.4620, 0.4558



Tritanopia

18.5909, 0.3722, 0.3159

Trichromacy



Original Color

18.6719, 0.4620, 0.4558

Protanomaly

18.6814, 0.4428, 0.4695

Deuteranomaly

18.6719, 0.4620, 0.4558

Tritanomaly

18.4014, 0.4143, 0.3759

Monochromacy



Original Color

18.6719, 0.4620, 0.4558

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.4447, 0.3733, 0.3943

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6719, 0.4620, 0.4558 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(151, 114, 22)` looks like.

```
.text, #text, p{  
    color:rgb(151, 114, 22)  
}
```

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(151, 114, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 114, 22) }
```

Border

The CSS property to change the border of an element to Yxy 18.6719, 0.4620, 0.4558 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(151, 114, 22) }
```

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

```
.border{ border-color:rgb(151, 114, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 114, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 114, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 114, 22);  
box-shadow:4px 4px 4px 4px rgb(151, 114,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6719, 0.4620, 0.4558 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 114, 22) }
```

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

```
.background{ background-color: rgb(151,  
114, 22) }
```

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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