

Converting Colors

$Y_{xy}(19.0920, 0.4540, 0.4712)$

Have a look what the booklet for
Yxy(19.0920, 0.4540, 0.4712)
contains.

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Color

$Y_{xy}(19.0920, 0.4540, 0.4712)$

Conversions

Conversions Part 1

Format	Color
Hex	92760B
RGB	146, 118, 11
RGB Percent	57%, 46%, 4%
CMY	0.4274, 0.5373, 0.9570
CMYK	0.00, 0.19, 0.92, 0.43
HSL	48°, 86%, 31%
HSV	48°, 92%, 57%
XYZ	18.3951, 19.0920, 3.0307
YIQ	114.1740, 51.0350, -27.3410

Conversions

Conversions Part 2

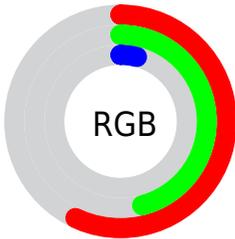
Format	Color
RYB	46, 146, 11
Decimal	9598475
CIELab	50.79, 1.31, 54.55
CIELCh	51, 54.567, 88.625
Yxy	19.0920, 0.4540, 0.4712
Android (android.graphics.Color)	4287788555 (0xFF92760B)
YUV	114.1740, -50.8648, 27.9114
Hunter-Lab	43.6944, -1.3177, 26.4736

Details

The Yxy color **19.0920, 0.4540, 0.4712** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.5964, 0.1626, 0.0966**, and the grayscale version is **17.0261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.0290, 0.4287, 0.4462**, and **6.6045, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **18.5398, 0.4606, 0.4725**, and if you desaturate by 10%, it is **19.8665, 0.4438, 0.4670**.

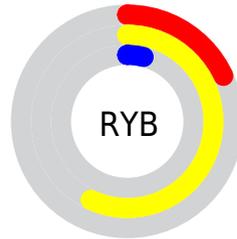
Distribution



Red (57%)

Green (46%)

Blue (4%)



Red (18%)

Yellow (57%)

Blue (4%)

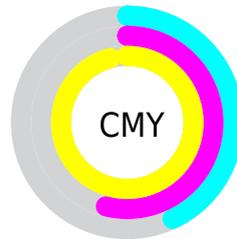


Cyan (0%)

Magenta (19%)

Yellow (92%)

Black (43%)



Cyan (43%)

Magenta (54%)

Yellow (96%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0920, 0.4540, 0.4712 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 19.0920, 0.4540, 0.4712 by changing the saturation by 10% instead.

■ 19.0920, 0.4540,
0.4712

■ 19.0920, 0.4540,
0.4712

■ 246.9562, 0.3809,
0.3984

■ 11.7368, 0.4687,
0.4853

■ 41.8895, 0.4288,
0.4465

■ 6.5647, 0.4922,
0.5078

■ 58.1006, 0.4187,
0.4364

■ 3.1914, 0.4935,
0.5065

■ 78.0324, 0.4100,
0.4277

■ 1.2325, 0.4958,
0.5042

■ 102.0693, 0.4025,
0.4202

■ 0.0880, 0.5678,
0.4322

■ 130.5957, 0.3960,
0.4136

■ 0.0000, 0.0000,
0.0000

■ 163.9961, 0.3903,

0.4079

 202.6548, 0.3853,
0.4029

 19.0920, 0.4540,
0.4712

 19.0920, 0.4540,
0.4712

 18.5398, 0.4606,
0.4725

 19.8665, 0.4438,
0.4670

 20.6963, 0.4310,
0.4584

 21.5871, 0.4160,
0.4458

 22.5427, 0.3995,
0.4300

 23.5668, 0.3822,
0.4120

■ 24.6626, 0.3648,
0.3925

■ 25.8329, 0.3477,
0.3726

■ 27.0805, 0.3315,
0.3528

■ 28.4079, 0.3163,
0.3336

Harmonies

Analogous

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



19.0920, 0.5061, 0.4015



19.0920, 0.4540, 0.4712



19.0920, 0.3699, 0.5178

Triad

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



19.0920, 0.4540, 0.4712



19.0920, 0.1546, 0.2807



19.0920, 0.3240, 0.2174

Complementary

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



19.0920, 0.4540, 0.4712



3.5964, 0.1626, 0.0966

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.



19.0920, 0.2317, 0.1878



19.0920, 0.4540, 0.4712



19.0920, 0.1477, 0.2122

Square

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



19.0920, 0.4540, 0.4712



19.0920, 0.1978, 0.3909



19.0920, 0.1729, 0.1844



19.0920, 0.4293, 0.2684

Rectangle

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



19.0920, 0.4540, 0.4712



19.0920, 0.3072, 0.5121



19.0920, 0.1729, 0.1844



19.0920, 0.2901, 0.2048

Sweetspot

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



19.0929, 0.4540, 0.4712



44.2909, 0.3580, 0.3847



6.5057, 0.5750, 0.3026



9.6784, 0.3647, 0.3924



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



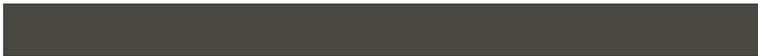
19.0929, 0.4540, 0.4712



32.4501, 0.4615, 0.4717



23.7599, 0.3725, 0.5365



6.5425, 0.3264, 0.3464



16.3431, 0.4603, 0.4727



0.2413, 0.4379, 0.4905

Inverse Universe

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



3.5964, 0.1626, 0.0966



5.1220, 0.1558, 0.0807



2.9729, 0.1781, 0.0804



5.8164, 0.2989, 0.3109



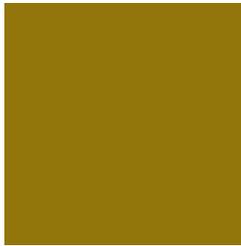
2.6840, 0.1567, 0.0842



0.0683, 0.1756, 0.1521

Previews

White Background



This preview shows how the Yxy color 19.0920, 0.4540, 0.4712 looks on a white background.

Color Contrast Check

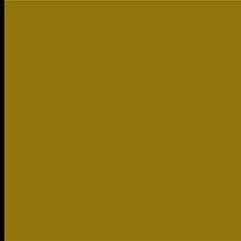
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.0920, 0.4540, 0.4712 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

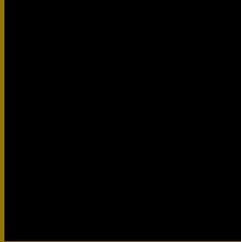
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0920, 0.4540, 0.4712

Background



This preview shows how black text looks on a background with the Yxy color 19.0920, 0.4540, 0.4712.



This preview shows how white text looks on a background with the Yxy color 19.0920, 0.4540, 0.4712.

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

19.0920, 0.4540, 0.4712

Protanopia

19.2640, 0.4362, 0.4845

Deuteranopia

19.0683, 0.4660, 0.4591



Tritanopia

19.1353, 0.3596, 0.3157

Trichromacy



Original Color

19.0920, 0.4540, 0.4712

Protanomaly

19.2767, 0.4415, 0.4804

Deuteranomaly

19.0065, 0.4611, 0.4636

Tritanomaly

18.8588, 0.4082, 0.3869

Monochromacy



Original Color

19.0920, 0.4540, 0.4712

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2329, 0.3755, 0.4026

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0920, 0.4540, 0.4712 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(146, 118, 11)` looks like.

```
.text, #text, p{  
    color:rgb(146, 118, 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(146, 118, 11) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 118, 11) }
```

Border

The CSS property to change the border of an element to Yxy 19.0920, 0.4540, 0.4712 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(146, 118, 11) }
```

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

```
.border{ border-color:rgb(146, 118, 11) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 118, 11)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 118, 11); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 118, 11);  
box-shadow:4px 4px 4px 4px rgb(146, 118,  
11) }
```

Background

The CSS property to change the background color of an element to Yxy 19.0920, 0.4540, 0.4712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 118, 11) }
```

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

```
.background{ background-color: rgb(146,  
118, 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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