

Converting Colors

$Y_{xy}(19.0810, 0.4553, 0.4731)$

Have a look what the booklet for
Yxy(19.0810, 0.4553, 0.4731)
contains.

Yxy(19.0810, 0.4553, 0.4731)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(19.0810, 0.4553, 0.4731)

Conversions

Conversions Part 1

Format	Color
Hex	927606
RGB	146, 118, 6
RGB Percent	57%, 46%, 2%
CMY	0.4275, 0.5372, 0.9764
CMYK	0.00, 0.19, 0.96, 0.43
HSL	48°, 92%, 30%
HSV	48°, 96%, 57%
XYZ	18.3631, 19.0810, 2.8878
YIQ	113.6040, 52.6400, -28.8960

Conversions

Conversions Part 2

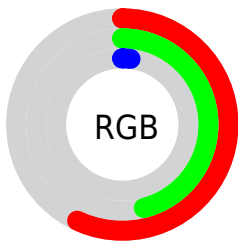
Format	Color
RYB	41, 146, 6
Decimal	9598470
CIELab	50.78, 1.20, 55.50
CIELCh	51, 55.510, 88.764
Yxy	19.0810, 0.4553, 0.4731
Android (android.graphics.Color)	4287788550 (0xFF927606)
YUV	113.6040, -53.0488, 28.4113
Hunter-Lab	43.6818, -1.4048, 26.6577

Details

The Yxy color **19.0810, 0.4553, 0.4731** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.2570, 0.1594, 0.0890**, and the grayscale version is **16.8531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.9921, 0.4306, 0.4488**, and **6.6045, 0.4633, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **18.7872, 0.4588, 0.4739**, and if you desaturate by 10%, it is **19.8194, 0.4462, 0.4701**.

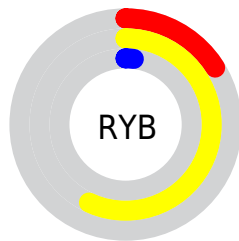
Distribution



Red (57%)

Green (46%)

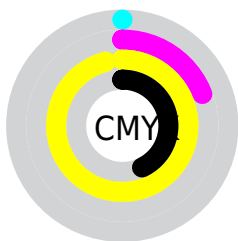
Blue (2%)



Red (16%)

Yellow (57%)

Blue (2%)

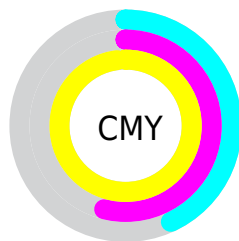


Cyan (0%)

Magenta (19%)

Yellow (96%)

Black (43%)



Cyan (43%)


Magenta (54%)


Yellow (98%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.0810, 0.4553, 0.4731 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 19.0810, 0.4553, 0.4731 by changing the saturation by 10% instead.


 19.0810, 0.4553,
0.4731


 19.0810, 0.4553,
0.4731


246.8956, 0.3819,
0.3997


 11.7288, 0.4698,
0.4871


 41.8709, 0.4302,
0.4483

 6.5593, 0.4917,
0.5083


 58.0775, 0.4200,
0.4381


 3.1881, 0.4929,
0.5071

 78.0042, 0.4113,
0.4294

 1.2307, 0.4950,
0.5050

 102.0357, 0.4037,
0.4217

 0.0866, 0.5629,
0.4371


 130.5561, 0.3972,
0.4151


 0.0000, 0.0000,
0.0000

 163.9500, 0.3914,

0.4093


 202.6017, 0.3864,
0.4042

 19.0810, 0.4553,
0.4731

 19.0810, 0.4553,
0.4731


 18.7872, 0.4588,
0.4739

 19.8194, 0.4462,
0.4701

 20.6086, 0.4345,
0.4629

 21.4556, 0.4205,
0.4515

 22.3645, 0.4046,
0.4366

 23.3391, 0.3877,
0.4190

■ 24.3825, 0.3704,
0.3998

■ 25.4977, 0.3533,
0.3798

■ 26.6876, 0.3369,
0.3597

■ 27.9546, 0.3213,
0.3401

Harmonies

Analogous

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



19.0810, 0.5088, 0.4022



19.0810, 0.4553, 0.4731



19.0810, 0.3698, 0.5210

Triad

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



19.0810, 0.4553, 0.4731



19.0810, 0.1523, 0.2792



19.0810, 0.3246, 0.2160

Complementary

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



19.0810, 0.4553, 0.4731



3.2570, 0.1594, 0.0890

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.



19.0810, 0.2308, 0.1860



19.0810, 0.4553, 0.4731



19.0810, 0.1456, 0.2101

Square

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



19.0810, 0.4553, 0.4731



19.0810, 0.1956, 0.3914



19.0810, 0.1712, 0.1824



19.0810, 0.4317, 0.2677

Rectangle

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



19.0810, 0.4553, 0.4731



19.0810, 0.3062, 0.5155



19.0810, 0.1712, 0.1824



19.0810, 0.2901, 0.2033

Sweetspot

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



19.0819, 0.4553, 0.4731



44.2480, 0.3596, 0.3873



6.3555, 0.5908, 0.3077



9.6773, 0.3661, 0.3949



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.



19.0819, 0.4553, 0.4731



32.9102, 0.4597, 0.4732



23.5080, 0.3691, 0.5418



6.5498, 0.3264, 0.3466



16.5687, 0.4586, 0.4741



0.2430, 0.4371, 0.4911

Inverse Universe

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



3.2570, 0.1594, 0.0890



5.0289, 0.1554, 0.0795



2.8340, 0.1763, 0.0772



5.8096, 0.2989, 0.3108



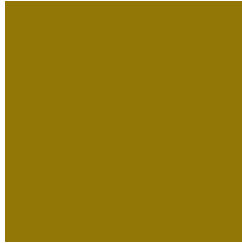
2.6342, 0.1564, 0.0829



0.0666, 0.1748, 0.1492

Previews

White Background



This preview shows how the Yxy color 19.0810, 0.4553, 0.4731 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 19.0810, 0.4553, 0.4731 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 19.0810, 0.4553, 0.4731

Background



This preview shows how black text looks on a background with the Yxy color 19.0810, 0.4553, 0.4731.

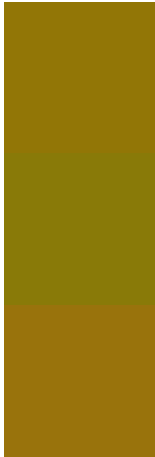


This preview shows how white text looks on a background with the Yxy color 19.0810, 0.4553, 0.4731.

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

19.0810, 0.4553, 0.4731

Protanopia

19.2550, 0.4373, 0.4861

Deuteranopia

19.0603, 0.4670, 0.4604



Tritanopia

19.1353, 0.3596, 0.3157

Trichromacy



Original Color

19.0810, 0.4553, 0.4731

Protanomaly

19.2655, 0.4429, 0.4823

Deuteranomaly

18.9967, 0.4623, 0.4652

Tritanomaly

18.8301, 0.4107, 0.3902

Monochromacy



Original Color

19.0810, 0.4553, 0.4731

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2051, 0.3780, 0.4063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0810, 0.4553, 0.4731 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, 6)` looks like.

```
.text, #text, p{  
    color:rgb(146, 118, 6)  
}
```

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, 6) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 118, 6) }
```

Border

The CSS property to change the border of an element to Yxy 19.0810, 0.4553, 0.4731 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, 6) }
```

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

```
.border{ border-color:rgb(146, 118, 6) }
```

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, 6)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 118, 6); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 118, 6);  
box-shadow:4px 4px 4px 4px rgb(146, 118,  
6) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0810, 0.4553, 0.4731 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, 6) }
```

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

```
.background{ background-color: rgb(146,  
118, 6) }
```

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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