

Converting Colors

$Y_{xy}(21.2118, 0.4776, 0.4082)$

Have a look what the booklet for
Yxy(21.2118, 0.4776, 0.4082)
contains.

Yxy(21.1916, 0.4785, 0.4077)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.1916, 0.4785, 0.4077)

Conversions

Conversions Part 1

Format	Color
Hex	B36F33
RGB	179, 111, 51
RGB Percent	70%, 44%, 20%
CMY	0.2981, 0.5647, 0.7999
CMYK	0.00, 0.38, 0.71, 0.30
HSL	28°, 56%, 45%
HSV	28°, 71%, 70%
XYZ	24.8717, 21.1916, 5.9151
YIQ	124.4920, 59.7880, -4.2440

Conversions

Conversions Part 2

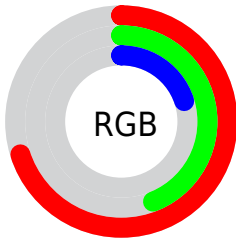
Format	Color
R_{YB}	179, 164, 51
Decimal	11759411
CIE _{Lab}	53.16, 21.71, 43.49
CIE _{LCh}	53, 48.611, 63.470
Yxy	21.1916, 0.4785, 0.4077
Android (android.graphics.Color)	4289949491 (0xFFB36F33)
YUV	124.4920, -36.2316, 47.8035
Hunter-Lab	46.0343, 15.8808, 24.6056

Details

The Yxy color **21.1916, 0.4785, 0.4077** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **17.1569, 0.2055, 0.2189**, and the grayscale version is **20.4393, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4652, 0.4450, 0.3967**, and **7.6200, 0.5296, 0.4177** is the 20% darker color. If you saturate the color by 10%, you get **19.0977, 0.5062, 0.4102**, and if you desaturate by 10%, it is **23.5694, 0.4498, 0.4009**.

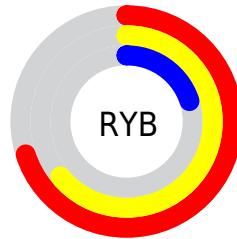
Distribution



Red (70%)

Green (44%)

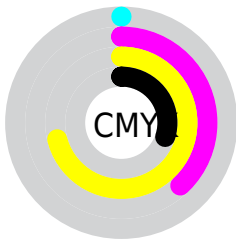
Blue (20%)



Red (70%)

Yellow (64%)

Blue (20%)

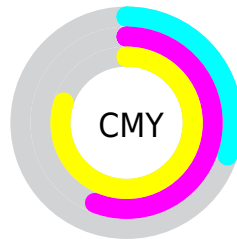


Cyan (0%)

Magenta (38%)

Yellow (71%)

Black (30%)



Cyan (30%)


Magenta (56%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1916, 0.4785, 0.4077 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 21.1916, 0.4785, 0.4077 by changing the saturation by 10% instead.


 21.1916, 0.4785,
0.4077


 21.1916, 0.4785,
0.4077


258.2950, 0.3876,
0.3714


 13.2641, 0.5019,
0.4132


 45.4062, 0.4444,
0.3965


 7.6107, 0.5308,
0.4168


 62.4621, 0.4318,
0.3915


 3.8469, 0.5774,
0.4226

 83.3296, 0.4213,
0.3871

 1.5883, 0.6052,
0.3948

 108.3931, 0.4124,
0.3832

 0.3497, 0.7115,
0.2885

 138.0370, 0.4048,
0.3797

 0.0000, 0.0000,
0.0000

 172.6457, 0.3983,

0.3766

212.6036, 0.3926,
0.3739

■ 21.1916, 0.4785,
0.4077

■ 21.1916, 0.4785,
0.4077

■ 19.0977, 0.5062,
0.4102

■ 23.5694, 0.4498,
0.4009

■ 17.2702, 0.5310,
0.4075

■ 26.2407, 0.4217,
0.3912

■ 15.9070, 0.5495,
0.4019

■ 29.2184, 0.3954,
0.3796

■ 32.5134, 0.3714,
0.3671

■ 36.1361, 0.3501,
0.3545

■ 40.0961, 0.3313,
0.3423

■ 44.4029, 0.3150,
0.3307

■ 49.0653, 0.3008,
0.3198

■ 54.0920, 0.2884,
0.3098

Harmonies

Analogous

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



21.1916, 0.4804, 0.3447



21.1916, 0.4785, 0.4077



21.1916, 0.4292, 0.4652

Triad

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



21.1916, 0.4785, 0.4077



21.1916, 0.2044, 0.3664



21.1916, 0.2537, 0.2061

Complementary

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



21.1916, 0.4785, 0.4077



17.1569, 0.2055, 0.2189

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.



21.1916, 0.1953, 0.1996



21.1916, 0.4785, 0.4077



21.1916, 0.1696, 0.2767

Square

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



21.1916, 0.4785, 0.4077



21.1916, 0.2707, 0.4570



21.1916, 0.1674, 0.2210



21.1916, 0.3382, 0.2365

Rectangle

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



21.1916, 0.4785, 0.4077



21.1916, 0.3801, 0.4892



21.1916, 0.1674, 0.2210



21.1916, 0.2309, 0.2011

Sweetspot

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



21.1927, 0.4785, 0.4077



64.8159, 0.3498, 0.3544



13.2919, 0.4181, 0.2404



13.9546, 0.3554, 0.3578



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



21.1927, 0.4785, 0.4077



32.1986, 0.5214, 0.4092



40.3758, 0.4105, 0.4809



9.1401, 0.3276, 0.3397



11.3698, 0.5476, 0.4034



0.4749, 0.5030, 0.4388

Inverse Universe

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



17.1569, 0.2055, 0.2189



24.4689, 0.1893, 0.1902



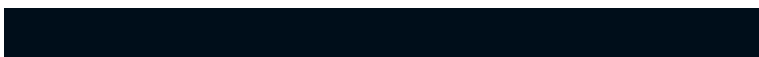
6.7199, 0.1785, 0.1102



8.9527, 0.2985, 0.3181



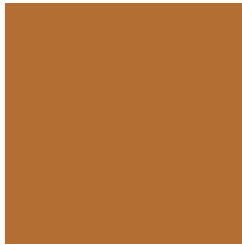
8.2277, 0.1808, 0.1707



0.3744, 0.1942, 0.2190

Previews

White Background



This preview shows how the Yxy color 21.1916, 0.4785, 0.4077 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 21.1916, 0.4785, 0.4077 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

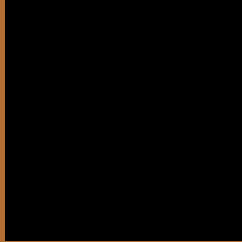
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.1916, 0.4785, 0.4077

Background



This preview shows how black text looks on a background with the Yxy color 21.1916, 0.4785, 0.4077.



This preview shows how white text looks on a background with the Yxy color 21.1916, 0.4785, 0.4077.

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

21.1916, 0.4785, 0.4077

Protanopia

21.4746, 0.4088, 0.4482

Deuteranopia

21.2591, 0.4451, 0.4367



Tritanopia

21.1378, 0.4120, 0.3178

Trichromacy



Original Color

21.1916, 0.4785, 0.4077

Protanomaly

21.1540, 0.4337, 0.4339

Deuteranomaly

21.0513, 0.4577, 0.4255

Tritanomaly

21.1987, 0.4402, 0.3535

Monochromacy



Original Color

21.1916, 0.4785, 0.4077

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.9860, 0.3728, 0.3678

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1916, 0.4785, 0.4077 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(179, 111, 51)` looks like.

```
.text, #text, p{  
    color:rgb(179, 111, 51)  
}
```

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(179, 111, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 111, 51) }
```

Border

The CSS property to change the border of an element to Yxy 21.1916, 0.4785, 0.4077 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(179, 111, 51) }
```

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

```
.border{ border-color:rgb(179, 111, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(179, 111, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 111, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 111, 51);  
box-shadow:4px 4px 4px 4px rgb(179, 111,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1916, 0.4785, 0.4077 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 111, 51) }
```

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

```
.background{ background-color: rgb(179,  
111, 51) }
```

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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