

Converting Colors

$Y_{xy}(19.0326, 0.3058, 0.4772)$

Have a look what the booklet for
Yxy(19.0326, 0.3058, 0.4772)
contains.

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Color

Yxy(19.0228, 0.3058, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	458745
RGB	69, 135, 69
RGB Percent	27%, 53%, 27%
CMY	0.7293, 0.4706, 0.7295
CMYK	0.49, 0.00, 0.49, 0.47
HSL	120°, 32%, 40%
HSV	120°, 49%, 53%
XYZ	12.1928, 19.0228, 8.6562
YIQ	107.7420, -18.1500, -34.5180

Conversions

Conversions Part 2

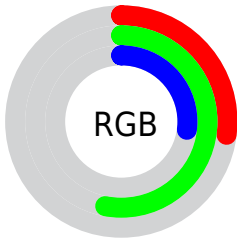
Format	Color
RYB	69, 135, 135
Decimal	4556613
CIELab	50.71, -35.39, 29.03
CIELCh	51, 45.772, 140.642
Yxy	19.0228, 0.3058, 0.4771
Android (android.graphics.Color)	4282746693 (0xFF458745)
YUV	107.7420, -19.0998, -33.9767
Hunter-Lab	43.6151, -26.4261, 18.7635

Details

The Yxy color **19.0228, 0.3058, 0.4771** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **11.1514, 0.3180, 0.2151**, and the grayscale version is **14.9795, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8647, 0.3098, 0.4389**, and **6.4631, 0.2933, 0.5511** is the 20% darker color. If you saturate the color by 10%, you get **18.4359, 0.3042, 0.5112**, and if you desaturate by 10%, it is **19.7617, 0.3074, 0.4425**.

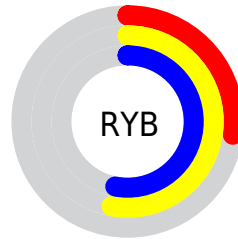
Distribution



Red (27%)

Green (53%)

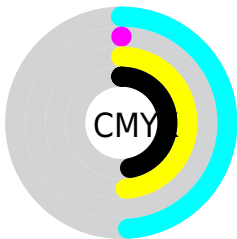
Blue (27%)



Red (27%)

Yellow (53%)

Blue (53%)

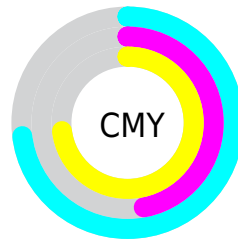


Cyan (49%)

Magenta (0%)

Yellow (49%)

Black (47%)



Cyan (73%)


Magenta (47%)


Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.0228, 0.3058, 0.4771 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 19.0228, 0.3058, 0.4771 by changing the saturation by 10% instead.


 19.0228, 0.3058,
0.4771


 19.0228, 0.3058,
0.4771


246.5746, 0.3131,
0.3871


 11.6868, 0.3013,
0.5068


 41.7726, 0.3100,
0.4396

 6.5308, 0.2929,
0.5503


 57.9552, 0.3110,
0.4270


 3.1704, 0.2793,
0.6281

 77.8554, 0.3117,
0.4170

 1.2213, 0.1774,
0.8226

 101.8576, 0.3122,
0.4088

 0.0790, 0.0000,
1.0000

 130.3462, 0.3125,
0.4020

 0.0000, 0.0000,
0.0000

163.7057, 0.3128,

0.3963

202.3203, 0.3130,
0.3914

■ 19.0228, 0.3058,
0.4771

■ 19.0228, 0.3058,
0.4771

■ 18.4359, 0.3042,
0.5112

■ 19.7617, 0.3074,
0.4425

■ 17.9882, 0.3027,
0.5425

■ 20.6595, 0.3090,
0.4092

■ 17.6690, 0.3015,
0.5684


■ 21.7256, 0.3104,
0.3785


■ 17.4647, 0.3006,
0.5868


■ 22.9681, 0.3117,
0.3508


■ 17.3416, 0.3001,
0.5987


■ 24.3943, 0.3128,
0.3265

 17.3288, 0.3000,
0.6000

 26.0114, 0.3138,
0.3053

 27.8260, 0.3147,
0.2869

 29.8445, 0.3154,
0.2711

 32.0728, 0.3160,
0.2575

Harmonies

Analogous

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



19.0228, 0.3864, 0.4835



19.0228, 0.3058, 0.4771



19.0228, 0.2314, 0.4065

Triad

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



19.0228, 0.3058, 0.4771



19.0228, 0.1823, 0.2075



19.0228, 0.4601, 0.3191

Complementary

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



19.0228, 0.3058, 0.4771



11.1514, 0.3180, 0.2151

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.



19.0228, 0.3888, 0.2641



19.0228, 0.3058, 0.4771



19.0228, 0.2269, 0.2027

Square

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



19.0228, 0.3058, 0.4771



19.0228, 0.1674, 0.2424



19.0228, 0.3002, 0.2230



19.0228, 0.4823, 0.3803

Rectangle

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



19.0228, 0.3058, 0.4771



19.0228, 0.1956, 0.3428



19.0228, 0.3002, 0.2230



19.0228, 0.4406, 0.2998

Sweetspot

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



19.0236, 0.3058, 0.4771



39.6623, 0.3109, 0.3683



22.6033, 0.3828, 0.4420



9.0940, 0.3106, 0.3735



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



19.0236, 0.3058, 0.4771



32.8860, 0.3040, 0.5159



19.5303, 0.2785, 0.4041



5.2049, 0.3117, 0.3514



15.9790, 0.3000, 0.6000



0.0554, 0.3001, 0.5999

Inverse Universe

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



11.1514, 0.3180, 0.2151



17.0032, 0.3190, 0.1935



10.3862, 0.3731, 0.2660



4.7627, 0.3137, 0.3076



6.3573, 0.3208, 0.1541



0.0220, 0.3209, 0.1541

Previews

White Background



This preview shows how the Yxy color 19.0228, 0.3058, 0.4771 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 19.0228, 0.3058, 0.4771 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

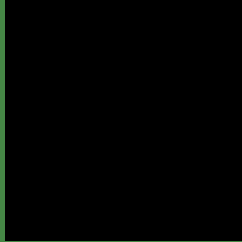
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.0228, 0.3058, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 19.0228, 0.3058, 0.4771.



This preview shows how white text looks on a background with the Yxy color 19.0228, 0.3058, 0.4771.

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

19.0228, 0.3058, 0.4771

Protanopia

18.7086, 0.3951, 0.4308

Deuteranopia

18.7756, 0.4059, 0.4002



Tritanopia

18.8985, 0.2571, 0.3068

Trichromacy



Original Color

19.0228, 0.3058, 0.4771

Protanomaly

18.3118, 0.3580, 0.4482

Deuteranomaly

18.1689, 0.3643, 0.4279

Tritanomaly

18.8198, 0.2754, 0.3653

Monochromacy



Original Color

19.0228, 0.3058, 0.4771

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.1447, 0.3102, 0.3819

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.0228, 0.3058, 0.4771 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(69, 135, 69)` looks like.

```
.text, #text, p{  
    color:rgb(69, 135, 69)  
}
```

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(69, 135, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 135, 69) }
```

Border

The CSS property to change the border of an element to Yxy 19.0228, 0.3058, 0.4771 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(69, 135, 69) }
```

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

```
.border{ border-color:rgb(69, 135, 69) }
```

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

Here you see how a box with a 4 pixel rgb(69, 135, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 135, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 135, 69);  
box-shadow:4px 4px 4px 4px rgb(69, 135,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 19.0228, 0.3058, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 135, 69) }
```

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

```
.background{ background-color: rgb(69, 135,  
69) }
```

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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