

Converting Colors

$Yxy(20.5794, 0.3057, 0.4778)$

Have a look what the booklet for
Yxy(20.5794, 0.3057, 0.4778)
contains.

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Color

Yxy(20.5636, 0.3049, 0.4769)

Conversions

Conversions Part 1

Format	Color
Hex	478C48
RGB	71, 140, 72
RGB Percent	28%, 55%, 28%
CMY	0.7215, 0.4510, 0.7176
CMYK	0.49, 0.00, 0.49, 0.45
HSL	121°, 33%, 41%
HSV	121°, 49%, 55%
XYZ	13.1471, 20.5636, 9.4086
YIQ	111.6170, -19.2960, -35.7760

Conversions

Conversions Part 2

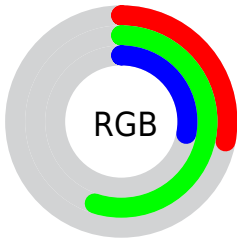
Format	Color
R_{YB}	71, 139, 140
Decimal	4688968
CIE _{Lab}	52.47, -36.54, 29.63
CIE _{LCh}	52, 47.043, 140.963
Yxy	20.5636, 0.3049, 0.4769
Android (android.graphics.Color)	4282879048 (0xFF478C48)
YUV	111.6170, -19.5312, -35.6211
Hunter-Lab	45.3471, -27.6065, 19.4415

Details

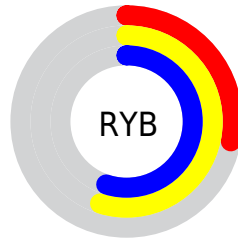
The Yxy color **20.5636, 0.3049, 0.4769** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **11.9475, 0.3196, 0.2154**, and the grayscale version is **16.1490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2738, 0.3090, 0.4396**, and **7.2861, 0.2923, 0.5481** is the 20% darker color. If you saturate the color by 10%, you get **19.9343, 0.3033, 0.5108**, and if you desaturate by 10%, it is **21.3570, 0.3066, 0.4425**.

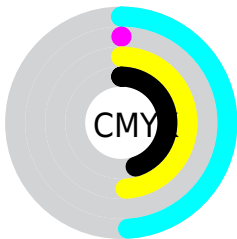
Distribution



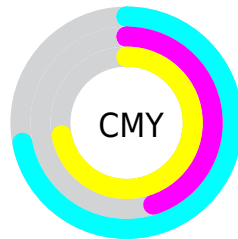
- Red (28%)
- Green (55%)
- Blue (28%)



- Red (28%)
- Yellow (55%)
- Blue (55%)



- Cyan (49%)
- Magenta (0%)
- Yellow (49%)
- Black (45%)




- Cyan (72%)
- Magenta (45%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5636, 0.3049, 0.4769 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 20.5636, 0.3049, 0.4769 by changing the saturation by 10% instead.


 20.5636, 0.3049,
0.4769


 20.5636, 0.3049,
0.4769


254.9501, 0.3127,
0.3880


 12.8054, 0.3004,
0.5057


 44.3601, 0.3092,
0.4401


 7.2947, 0.2923,
0.5474


 61.1672, 0.3103,
0.4277


 3.6471, 0.2772,
0.6154

 81.7593, 0.3111,
0.4178

 1.4782, 0.2213,
0.7787

 106.5210, 0.3116,
0.4097

 0.2733, 0.0000,
1.0000

 135.8365, 0.3120,
0.4029

 0.0000, 0.0000,
0.0000

170.0902, 0.3123,

0.3971

209.6666, 0.3125,
0.3922

■ 20.5636, 0.3049,
0.4769

■ 20.5636, 0.3049,
0.4769

■ 19.9343, 0.3033,
0.5108

■ 21.3570, 0.3066,
0.4425

■ 19.4553, 0.3019,
0.5419

■ 22.3222, 0.3083,
0.4095

■ 19.1147, 0.3008,
0.5677


■ 23.4692, 0.3100,
0.3790

■ 18.8980, 0.3002,
0.5863


■ 24.8068, 0.3115,
0.3516


■ 18.7696, 0.2997,
0.5979

■ 26.3431, 0.3128,
0.3274

 18.7609, 0.2996,
0.5987

 28.0858, 0.3140,
0.3063

 30.0420, 0.3151,
0.2880

 32.2186, 0.3160,
0.2723

 34.6223, 0.3168,
0.2588

Harmonies

Analogous

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



20.5636, 0.3857, 0.4839



20.5636, 0.3049, 0.4769



20.5636, 0.2306, 0.4056

Triad

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



20.5636, 0.3049, 0.4769



20.5636, 0.1825, 0.2071



20.5636, 0.4608, 0.3197

Complementary

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



20.5636, 0.3049, 0.4769



11.9475, 0.3196, 0.2154

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.



20.5636, 0.3899, 0.2645



20.5636, 0.3049, 0.4769



20.5636, 0.2274, 0.2026

Square

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



20.5636, 0.3049, 0.4769



20.5636, 0.1673, 0.2417



20.5636, 0.3011, 0.2232



20.5636, 0.4825, 0.3810

Rectangle

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



20.5636, 0.3049, 0.4769



20.5636, 0.1950, 0.3418



20.5636, 0.3011, 0.2232



20.5636, 0.4415, 0.3003

Sweetspot

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



20.5645, 0.3049, 0.4769



42.2702, 0.3106, 0.3678



24.7870, 0.3827, 0.4447



9.6418, 0.3103, 0.3730



71.0566, 0.3127, 0.3290



10.6539, 0.3127, 0.3290

Same Dimension

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



20.5645, 0.3049, 0.4769



35.0518, 0.3031, 0.5140



21.1268, 0.2772, 0.4025



5.6093, 0.3115, 0.3512



16.6699, 0.2996, 0.5986



0.1109, 0.2978, 0.5922

Inverse Universe

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



11.9475, 0.3196, 0.2154



18.0332, 0.3210, 0.1948



11.1137, 0.3763, 0.2673



5.1277, 0.3139, 0.3077



6.5840, 0.3245, 0.1561



0.0439, 0.3225, 0.1551

Previews

White Background



This preview shows how the Yxy color 20.5636, 0.3049, 0.4769 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 20.5636, 0.3049, 0.4769 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

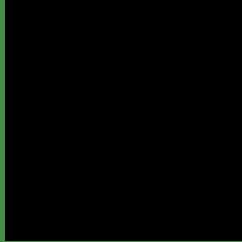
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5636, 0.3049, 0.4769

Background



This preview shows how black text looks on a background with the Yxy color 20.5636, 0.3049, 0.4769.



This preview shows how white text looks on a background with the Yxy color 20.5636, 0.3049, 0.4769.

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

20.5636, 0.3049, 0.4769

Protanopia

20.3908, 0.3944, 0.4309

Deuteranopia

20.3088, 0.4070, 0.3993



Tritanopia

20.4641, 0.2562, 0.3075

Trichromacy



Original Color

20.5636, 0.3049, 0.4769

Protanomaly

19.9056, 0.3573, 0.4482

Deuteranomaly

19.8243, 0.3647, 0.4281

Tritanomaly

20.3616, 0.2747, 0.3663

Monochromacy



Original Color

20.5636, 0.3049, 0.4769

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

17.3235, 0.3102, 0.3826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5636, 0.3049, 0.4769 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(71, 140, 72)` looks like.

```
.text, #text, p{  
    color:rgb(71, 140, 72)  
}
```

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(71, 140, 72) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 140, 72) }
```

Border

The CSS property to change the border of an element to Yxy 20.5636, 0.3049, 0.4769 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(71, 140, 72) }
```

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

```
.border{ border-color:rgb(71, 140, 72) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 140, 72)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 140, 72); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 140, 72);  
box-shadow:4px 4px 4px 4px rgb(71, 140,  
72) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5636, 0.3049, 0.4769 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 140, 72) }
```

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

```
.background{ background-color: rgb(71, 140,  
72) }
```

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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