

Converting Colors

$Yxy(20.1443, 0.2908, 0.4723)$

Have a look what the booklet for
Yxy(20.1443, 0.2908, 0.4723)
contains.

Yxy(20.1775, 0.2912, 0.4727)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(20.1775, 0.2912, 0.4727)$

Conversions

Conversions Part 1

Format	Color
Hex	3A8C4C
RGB	58, 140, 76
RGB Percent	23%, 55%, 30%
CMY	0.7723, 0.4510, 0.7019
CMYK	0.59, 0.00, 0.46, 0.45
HSL	133°, 41%, 39%
HSV	133°, 59%, 55%
XYZ	12.4301, 20.1775, 10.0781
YIQ	108.1860, -28.3280, -37.2880

Conversions

Conversions Part 2

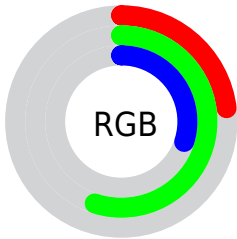
Format	Color
RYB	58, 125, 140
Decimal	3837004
CIELab	52.04, -39.47, 26.84
CIElCh	52, 47.729, 145.788
Yxy	20.1775, 0.2912, 0.4727
Android (android.graphics.Color)	4282027084 (0xFF3A8C4C)
YUV	108.1860, -15.8677, -44.0131
Hunter-Lab	44.9194, -29.2145, 18.1413

Details

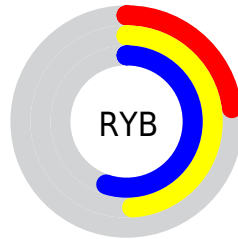
The Yxy color **20.1775, 0.2912, 0.4727** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **10.0132, 0.3492, 0.2206**, and the grayscale version is **15.1070, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.6006, 0.2985, 0.4358**, and **7.2385, 0.2826, 0.5374** is the 20% darker color. If you saturate the color by 10%, you get **19.6744, 0.2897, 0.5011**, and if you desaturate by 10%, it is **20.8222, 0.2937, 0.4440**.

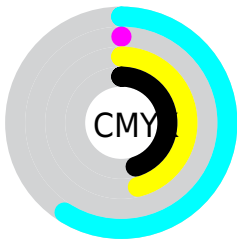
Distribution



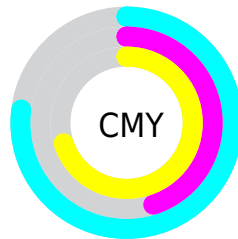
- Red (23%)
- Green (55%)
- Blue (30%)



- Red (23%)
- Yellow (49%)
- Blue (55%)



- Cyan (59%)
- Magenta (0%)
- Yellow (46%)
- Black (45%)




- Cyan (77%)
- Magenta (45%)
- Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.1775, 0.2912, 0.4727 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 20.1775, 0.2912, 0.4727 by changing the saturation by 10% instead.


 20.1775, 0.2912,
0.4727


 20.1775, 0.2912,
0.4727


252.8744, 0.3065,
0.3857


 12.5241, 0.2847,
0.5014


 43.7146, 0.2984,
0.4365

 7.1017, 0.2738,
0.5434


 60.3671, 0.3006,
0.4244

 3.5258, 0.2541,
0.6108

 80.7881, 0.3022,
0.4147

 1.4120, 0.1767,
0.8233

 105.3620, 0.3034,
0.4068

 0.2255, 0.0000,
1.0000

 134.4732, 0.3045,
0.4002

 0.0000, 0.0000,
0.0000

168.5060, 0.3053,

0.3946

207.8450, 0.3060,
0.3899

■ 20.1775, 0.2912,
0.4727

■ 20.1775, 0.2912,
0.4727

■ 19.6744, 0.2897,
0.5011

■ 20.8222, 0.2937,
0.4440

■ 19.2998, 0.2895,
0.5279

■ 21.6157, 0.2970,
0.4163

■ 19.0418, 0.2906,
0.5515

■ 22.5676, 0.3008,
0.3904

■ 18.8743, 0.2924,
0.5709

■ 23.6860, 0.3049,
0.3666

■ 18.8524, 0.2926,
0.5734

■ 24.9784, 0.3091,
0.3453

■ 26.4519, 0.3133,
0.3264

■ 28.1131, 0.3174,
0.3097

■ 29.9684, 0.3213,
0.2952

■ 32.0238, 0.3250,
0.2825

Harmonies

Analogous

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



20.1775, 0.3739, 0.4903



20.1775, 0.2912, 0.4727



20.1775, 0.2189, 0.3917

Triad

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



20.1775, 0.2912, 0.4727



20.1775, 0.1855, 0.2024



20.1775, 0.4713, 0.3290

Complementary

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



20.1775, 0.2912, 0.4727



10.0132, 0.3492, 0.2206

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.



20.1775, 0.4054, 0.2716



20.1775, 0.2912, 0.4727



20.1775, 0.2360, 0.2022

Square

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



20.1775, 0.2912, 0.4727



20.1775, 0.1653, 0.2319



20.1775, 0.3149, 0.2268



20.1775, 0.4839, 0.3915

Rectangle

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



20.1775, 0.2912, 0.4727



20.1775, 0.1862, 0.3266



20.1775, 0.3149, 0.2268



20.1775, 0.4544, 0.3090

Sweetspot

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



20.1783, 0.2912, 0.4727



41.7939, 0.3050, 0.3663



23.2166, 0.3719, 0.4743



9.5044, 0.3039, 0.3723



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.



20.1783, 0.2912, 0.4727



34.4715, 0.2895, 0.5093



20.9356, 0.2590, 0.3785



5.6250, 0.3089, 0.3465



16.7547, 0.2924, 0.5726



0.1132, 0.2728, 0.5022

Inverse Universe

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



10.0132, 0.3492, 0.2206



14.8069, 0.3599, 0.2036



9.2051, 0.4332, 0.2884



5.1105, 0.3168, 0.3121



5.9444, 0.3835, 0.1886



0.0416, 0.3494, 0.1698

Previews

White Background



This preview shows how the Yxy color 20.1775, 0.2912, 0.4727 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 20.1775, 0.2912, 0.4727 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 20.1775, 0.2912, 0.4727

Background



This preview shows how black text looks on a background with the Yxy color 20.1775, 0.2912, 0.4727.



This preview shows how white text looks on a background with the Yxy color 20.1775, 0.2912, 0.4727.

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

20.1775, 0.2912, 0.4727

Protanopia

19.7590, 0.3902, 0.4241

Deuteranopia

19.8468, 0.3989, 0.3924



Tritanopia

20.0222, 0.2483, 0.3070

Trichromacy



Original Color

20.1775, 0.2912, 0.4727

Protanomaly

19.2942, 0.3472, 0.4442

Deuteranomaly

19.1311, 0.3518, 0.4221

Tritanomaly

19.9251, 0.2631, 0.3629

Monochromacy



Original Color

20.1775, 0.2912, 0.4727

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

16.4511, 0.3030, 0.3821

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.1775, 0.2912, 0.4727 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(58, 140, 76)` looks like.

```
.text, #text, p{  
    color:rgb(58, 140, 76)  
}
```

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(58, 140, 76) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 140, 76) }
```

Border

The CSS property to change the border of an element to Yxy 20.1775, 0.2912, 0.4727 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(58, 140, 76) }
```

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

```
.border{ border-color:rgb(58, 140, 76) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 140, 76)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 140, 76); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 140, 76);  
box-shadow:4px 4px 4px 4px rgb(58, 140,  
76) }
```


Background

The CSS property to change the background color of an element to Yxy 20.1775, 0.2912, 0.4727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 140, 76) }
```

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

```
.background{ background-color: rgb(58, 140,  
76) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor