

Converting Colors

$Y_{xy}(19.9239, 0.3582, 0.4821)$

Have a look what the booklet for
Yxy(19.9239, 0.3582, 0.4821)
contains.

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Color

Yxy(20.0447, 0.3585, 0.4830)

Conversions

Conversions Part 1

Format	Color
Hex	698536
RGB	105, 133, 54
RGB Percent	41%, 52%, 21%
CMY	0.5883, 0.4784, 0.7881
CMYK	0.21, 0.00, 0.59, 0.48
HSL	81°, 42%, 37%
HSV	81°, 59%, 52%
XYZ	14.8779, 20.0447, 6.5778
YIQ	115.6220, 8.6710, -30.5050

Conversions

Conversions Part 2

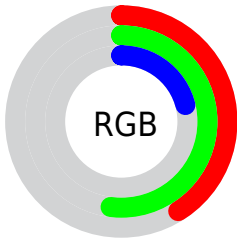
Format	Color
RYB	54, 133, 82
Decimal	6915382
CIELab	51.89, -23.15, 38.57
CIELCh	52, 44.987, 120.975
Yxy	20.0447, 0.3585, 0.4830
Android (android.graphics.Color)	4285105462 (0xFF698536)
YUV	115.6220, -30.3796, -9.3155
Hunter-Lab	44.7713, -19.0327, 22.6290

Details

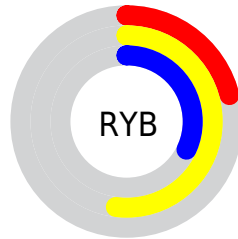
The Yxy color **20.0447, 0.3585, 0.4830** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.1306, 0.2374, 0.1610**, and the grayscale version is **17.4361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.3864, 0.3514, 0.4463**, and **7.0031, 0.3643, 0.5452** is the 20% darker color. If you saturate the color by 10%, you get **19.6593, 0.3621, 0.5060**, and if you desaturate by 10%, it is **20.4819, 0.3530, 0.4575**.

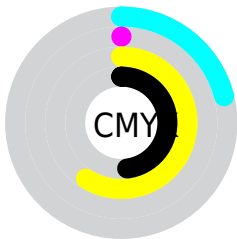
Distribution



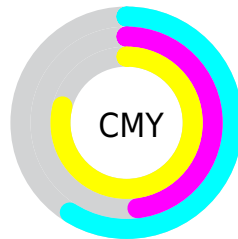
- Red (41%)
- Green (52%)
- Blue (21%)



- Red (21%)
- Yellow (52%)
- Blue (32%)



- Cyan (21%)
- Magenta (0%)
- Yellow (59%)
- Black (48%)




- Cyan (59%)
- Magenta (48%)
- Yellow (79%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 20.0447, 0.3585, 0.4830 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 20.0447, 0.3585, 0.4830 by changing the saturation by 10% instead.


 20.0447, 0.3585,
0.4830


 20.0447, 0.3585,
0.4830


 252.1570, 0.3366,
0.3929


 12.4275, 0.3619,
0.5099


 43.4921, 0.3515,
0.4469


 7.0356, 0.3635,
0.5465


 60.0912, 0.3485,
0.4343


 3.4843, 0.3753,
0.6247

 80.4530, 0.3459,
0.4241

 1.3895, 0.3304,
0.6696

 104.9619, 0.3435,
0.4157

 0.2090, 0.0000,
1.0000

 134.0024, 0.3415,
0.4086

 0.0000, 0.0000,
0.0000

 167.9588, 0.3397,

0.4026

207.2155, 0.3380,
0.3974

■ 20.0447, 0.3585,
0.4830

■ 20.0447, 0.3585,
0.4830

■ 19.6593, 0.3621,
0.5060

■ 20.4819, 0.3530,
0.4575

■ 19.3200, 0.3635,
0.5254

■ 20.9711, 0.3461,
0.4307

■ 19.0241, 0.3626,
0.5403

■ 21.5156, 0.3382,
0.4035

■ 18.7620, 0.3600,
0.5518

■ 22.1179, 0.3297,
0.3769

■ 18.7463, 0.3598,
0.5525

■ 22.7801, 0.3209,
0.3514

■ 23.5043, 0.3122,
0.3276

■ 24.2924, 0.3037,
0.3055

■ 25.1464, 0.2956,
0.2853

■ 26.0679, 0.2880,
0.2670

Harmonies

Analogous

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



20.0447, 0.4292, 0.4551



20.0447, 0.3585, 0.4830



20.0447, 0.2798, 0.4540

Triad

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



20.0447, 0.3585, 0.4830



20.0447, 0.1732, 0.2299



20.0447, 0.4138, 0.2835

Complementary

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



20.0447, 0.3585, 0.4830



6.1306, 0.2374, 0.1610

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.



20.0447, 0.3299, 0.2377



20.0447, 0.3585, 0.4830



20.0447, 0.1977, 0.2063

Square

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



20.0447, 0.3585, 0.4830



20.0447, 0.1781, 0.2863



20.0447, 0.2513, 0.2104



20.0447, 0.4687, 0.3401

Rectangle

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



20.0447, 0.3585, 0.4830



20.0447, 0.2335, 0.4027



20.0447, 0.2513, 0.2104



20.0447, 0.3873, 0.2666

Sweetspot

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



20.0456, 0.3585, 0.4830



39.7149, 0.3288, 0.3743



11.2385, 0.4515, 0.3806



8.8832, 0.3310, 0.3809



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



20.0456, 0.3585, 0.4830



34.9968, 0.3628, 0.5127



18.1973, 0.3146, 0.5069



5.3426, 0.3207, 0.3508



17.8589, 0.3599, 0.5524



0.0660, 0.3879, 0.5302

Inverse Universe

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



6.1306, 0.2374, 0.1610



7.7166, 0.2167, 0.1253



8.4109, 0.2993, 0.1870



4.6190, 0.3043, 0.3069



2.1973, 0.1803, 0.0767



0.0114, 0.2283, 0.1031

Previews

White Background



This preview shows how the Yxy color 20.0447, 0.3585, 0.4830 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 20.0447, 0.3585, 0.4830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

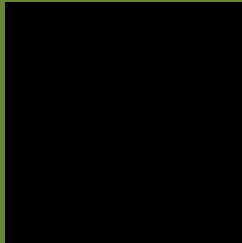
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.0447, 0.3585, 0.4830

Background



This preview shows how black text looks on a background with the Yxy color 20.0447, 0.3585, 0.4830.



This preview shows how white text looks on a background with the Yxy color 20.0447, 0.3585, 0.4830.

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

20.0447, 0.3585, 0.4830

Protanopia

19.9727, 0.4107, 0.4526

Deuteranopia

19.7035, 0.4315, 0.4235



Tritanopia

20.0613, 0.2905, 0.3103

Trichromacy



Original Color

20.0447, 0.3585, 0.4830

Protanomaly

19.7867, 0.3908, 0.4640

Deuteranomaly

19.6122, 0.4035, 0.4443

Tritanomaly

19.8585, 0.3165, 0.3725

Monochromacy



Original Color

20.0447, 0.3585, 0.4830

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

18.1541, 0.3336, 0.3878

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.0447, 0.3585, 0.4830 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(105, 133, 54)` looks like.

```
.text, #text, p{  
    color:rgb(105, 133, 54)  
}
```

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(105, 133, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 133, 54) }
```

Border

The CSS property to change the border of an element to Yxy 20.0447, 0.3585, 0.4830 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(105, 133, 54) }
```

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

```
.border{ border-color:rgb(105, 133, 54) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 133, 54)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 133, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 133, 54);  
box-shadow:4px 4px 4px 4px rgb(105, 133,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 20.0447, 0.3585, 0.4830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 133, 54) }
```

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

```
.background{ background-color: rgb(105,  
133, 54) }
```

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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