

Converting Colors

$Y_{xy}(20.6020, 0.3599, 0.5428)$

Have a look what the booklet for
Yxy(20.6020, 0.3599, 0.5428)
contains.

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Color

Yxy(20.4868, 0.3598, 0.5425)

Conversions

Conversions Part 1

Format	Color
Hex	5C8A0F
RGB	92, 138, 15
RGB Percent	36%, 54%, 6%
CMY	0.6393, 0.4588, 0.9412
CMYK	0.33, 0.00, 0.89, 0.46
HSL	82°, 80%, 30%
HSV	82°, 89%, 54%
XYZ	13.5874, 20.4868, 3.6895
YIQ	110.2240, 12.0670, -48.0050

Conversions

Conversions Part 2

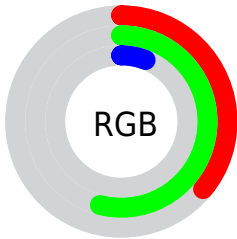
Format	Color
RYB	15, 138, 61
Decimal	6064655
CIELab	52.38, -33.32, 53.18
CIELCh	52, 62.757, 122.065
Yxy	20.4868, 0.3598, 0.5425
Android (android.graphics.Color)	4284254735 (0xFF5C8A0F)
YUV	110.2240, -46.9454, -15.9824
Hunter-Lab	45.2623, -25.6249, 26.8507

Details

The Yxy color **20.4868, 0.3598, 0.5425** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **3.1689, 0.1957, 0.0928**, and the grayscale version is **15.7951, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.3047, 0.3565, 0.4945**, and **7.4108, 0.3344, 0.5727** is the 20% darker color. If you saturate the color by 10%, you get **20.1990, 0.3569, 0.5541**, and if you desaturate by 10%, it is **20.8159, 0.3610, 0.5272**.

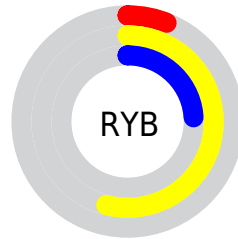
Distribution



Red (36%)

Green (54%)

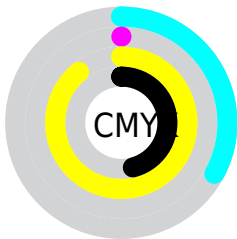
Blue (6%)



Red (6%)

Yellow (54%)

Blue (24%)

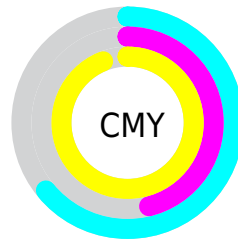


Cyan (33%)

Magenta (0%)

Yellow (89%)

Black (46%)



Cyan (64%)


Magenta (46%)


Yellow (94%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4868, 0.3598, 0.5425 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 20.4868, 0.3598, 0.5425 by changing the saturation by 10% instead.


 20.4868, 0.3598,
0.5425


 20.4868, 0.3598,
0.5425


254.5384, 0.3428,
0.4190


 12.7494, 0.3578,
0.5764


 44.2318, 0.3571,
0.4944


 7.2562, 0.3548,
0.6292


 61.0083, 0.3548,
0.4771


 3.6228, 0.3262,
0.6738

 81.5665, 0.3525,
0.4630

 1.4649, 0.2505,
0.7495

 106.2909, 0.3502,
0.4512


 0.2638, 0.0000,
1.0000


 135.5659, 0.3481,
0.4412


 0.0000, 0.0000,
0.0000


 169.7759, 0.3462,


0.4327


 209.3053, 0.3444,
0.4254


 20.4868, 0.3598,
0.5425


 20.4868, 0.3598,
0.5425


 20.1990, 0.3569,
0.5541


 20.8159, 0.3610,
0.5272

 20.1751, 0.3566,
0.5551

 21.1931, 0.3599,
0.5074

 21.6233, 0.3566,
0.4839

 22.1099, 0.3514,
0.4580

 22.6561, 0.3448,
0.4308

■ 23.2647, 0.3371,
0.4033

■ 23.9383, 0.3289,
0.3765

■ 24.6794, 0.3204,
0.3509

■ 25.4902, 0.3120,
0.3270

Harmonies

Analogous

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



20.4868, 0.4552, 0.4901



20.4868, 0.3598, 0.5425



20.4868, 0.2583, 0.5078

Triad

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



20.4868, 0.3598, 0.5425



20.4868, 0.1346, 0.1940



20.4868, 0.4554, 0.2686

Complementary

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



20.4868, 0.3598, 0.5425



3.1689, 0.1957, 0.0928

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.



20.4868, 0.3379, 0.2120



20.4868, 0.3598, 0.5425



20.4868, 0.1652, 0.1699

Square

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



20.4868, 0.3598, 0.5425



20.4868, 0.1370, 0.2617



20.4868, 0.2325, 0.1774



20.4868, 0.5272, 0.3372

Rectangle

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



20.4868, 0.3598, 0.5425



20.4868, 0.2002, 0.4286



20.4868, 0.2325, 0.1774



20.4868, 0.4183, 0.2479

Sweetspot

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



20.4877, 0.3598, 0.5425



41.1823, 0.3359, 0.3991



8.6800, 0.5453, 0.3883



9.1637, 0.3382, 0.4070



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.



20.4877, 0.3598, 0.5425



35.4669, 0.3554, 0.5560



18.5105, 0.3069, 0.5826



5.7530, 0.3205, 0.3510



18.5046, 0.3568, 0.5549



0.1313, 0.3860, 0.5317

Inverse Universe

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



3.1689, 0.1957, 0.0928



4.4198, 0.1806, 0.0769



6.2852, 0.2919, 0.1441



4.9775, 0.3045, 0.3068



2.3505, 0.1830, 0.0782



0.0235, 0.2318, 0.1051

Previews

White Background



This preview shows how the Yxy color 20.4868, 0.3598, 0.5425 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 20.4868, 0.3598, 0.5425 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 20.4868, 0.3598, 0.5425

Background



This preview shows how black text looks on a background with the Yxy color 20.4868, 0.3598, 0.5425.



This preview shows how white text looks on a background with the Yxy color 20.4868, 0.3598, 0.5425.

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

20.4868, 0.3598, 0.5425

Protanopia

20.2646, 0.4365, 0.4859

Deuteranopia

20.2187, 0.4594, 0.4505



Tritanopia

20.3666, 0.2773, 0.3082

Trichromacy



Original Color

20.4868, 0.3598, 0.5425

Protanomaly

20.2028, 0.4073, 0.5074

Deuteranomaly

19.7240, 0.4219, 0.4843

Tritanomaly

20.0774, 0.3168, 0.4068

Monochromacy



Original Color

20.4868, 0.3598, 0.5425

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.8245, 0.3430, 0.4249

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4868, 0.3598, 0.5425 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(92, 138, 15)` looks like.

```
.text, #text, p{  
    color:rgb(92, 138, 15)  
}
```

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(92, 138, 15) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 138, 15) }
```

Border

The CSS property to change the border of an element to Yxy 20.4868, 0.3598, 0.5425 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(92, 138, 15) }
```

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

```
.border{ border-color:rgb(92, 138, 15) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 138, 15)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 138, 15); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 138, 15);  
box-shadow:4px 4px 4px 4px rgb(92, 138,  
15) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4868, 0.3598, 0.5425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 138, 15) }
```

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

```
.background{ background-color: rgb(92, 138,  
15) }
```

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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