

Converting Colors

$Y_{xy}(20.5039, 0.3664, 0.5473)$

Have a look what the booklet for
Yxy(20.5039, 0.3664, 0.5473)
contains.

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Color

$\text{Yxy}(20.6099, 0.3666, 0.5471)$

Conversions

Conversions Part 1

Format	Color
Hex	5F8A00
RGB	95, 138, 0
RGB Percent	37%, 54%, 0%
CMY	0.6273, 0.4588, 0.9999
CMYK	0.31, 0.00, 1.00, 0.46
HSL	79°, 100%, 27%
HSV	79°, 100%, 54%
XYZ	13.8103, 20.6099, 3.2510
YIQ	109.4110, 18.6700, -52.0340

Conversions

Conversions Part 2

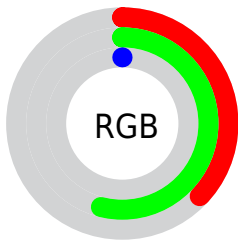
Format	Color
RYB	0, 138, 43
Decimal	6261248
CIELab	52.52, -32.48, 56.09
CIELCh	53, 64.819, 120.077
Yxy	20.6099, 0.3666, 0.5471
Android (android.graphics.Color)	4284451328 (0xFF5F8A00)
YUV	109.4110, -53.9396, -12.6384
Hunter-Lab	45.3981, -25.1465, 27.5329

Details

The Yxy color **20.6099, 0.3666, 0.5471** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.3494, 0.1738, 0.0731**, and the grayscale version is **15.5720, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5886, 0.3635, 0.4997**, and **7.4717, 0.3387, 0.5693** is the 20% darker color. If you saturate the color by 10%, you get **20.6101, 0.3666, 0.5471**, and if you desaturate by 10%, it is **20.8787, 0.3687, 0.5366**.

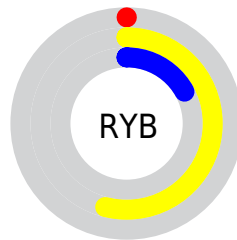
Distribution



Red (37%)

Green (54%)

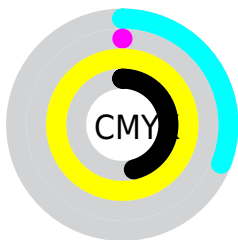
Blue (0%)



Red (0%)

Yellow (54%)

Blue (17%)

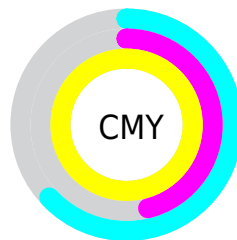


Cyan (31%)

Magenta (0%)

Yellow (100%)

Black (46%)



Cyan (63%)

Magenta (46%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6099, 0.3666, 0.5471 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 20.6099, 0.3666, 0.5471 by changing the saturation by 10% instead.


 20.6099, 0.3666,
0.5471


 20.6099, 0.3666,
0.5471


255.1980, 0.3468,
0.4223


 12.8392, 0.3646,
0.5801


 44.4374, 0.3633,
0.4992

 7.3179, 0.3642,
0.6358


 61.2629, 0.3606,
0.4817


 3.6617, 0.3309,
0.6691

 81.8755, 0.3579,
0.4674

 1.4862, 0.2608,
0.7392

 106.6595, 0.3554,
0.4553

 0.2790, 0.0000,
1.0000


 135.9994, 0.3529,
0.4451


 0.0000, 0.0000,
0.0000


 170.2795, 0.3507,

0.4364


 209.8842, 0.3487,
0.4289

 20.6099, 0.3666,
0.5471


 20.6099, 0.3666,
0.5471


 20.6101, 0.3666,
0.5471

 20.8787, 0.3687,
0.5366

 21.1791, 0.3692,
0.5228

 21.5228, 0.3673,
0.5045

 21.9136, 0.3632,
0.4826

 22.3551, 0.3571,
0.4579

■ 22.8500, 0.3495,
0.4316

■ 23.4012, 0.3409,
0.4048

■ 24.0111, 0.3316,
0.3784

■ 24.6821, 0.3221,
0.3529

Harmonies

Analogous

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



20.6099, 0.4633, 0.4879



20.6099, 0.3666, 0.5471



20.6099, 0.2626, 0.5203

Triad

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



20.6099, 0.3666, 0.5471



20.6099, 0.1299, 0.1935



20.6099, 0.4524, 0.2625

Complementary

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



20.6099, 0.3666, 0.5471



2.3494, 0.1738, 0.0731

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.



20.6099, 0.3303, 0.2061



20.6099, 0.3666, 0.5471



20.6099, 0.1587, 0.1668

Square

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



20.6099, 0.3666, 0.5471



20.6099, 0.1343, 0.2658



20.6099, 0.2244, 0.1726



20.6099, 0.5309, 0.3315

Rectangle

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



20.6099, 0.3666, 0.5471



20.6099, 0.2020, 0.4413



20.6099, 0.2244, 0.1726



20.6099, 0.4132, 0.2417

Sweetspot

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



20.6108, 0.3666, 0.5471



41.1822, 0.3415, 0.4066



7.0186, 0.5920, 0.3681



9.1558, 0.3447, 0.4164



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.



20.6108, 0.3666, 0.5471



36.2441, 0.3655, 0.5480



18.4180, 0.3080, 0.5936



5.7681, 0.3213, 0.3509



18.9052, 0.3668, 0.5470



0.1334, 0.3922, 0.5268

Inverse Universe

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



2.3494, 0.1738, 0.0731



4.0636, 0.1718, 0.0720



5.1768, 0.2719, 0.1272



4.9629, 0.3036, 0.3067



2.1600, 0.1741, 0.0733



0.0214, 0.2201, 0.0986

Previews

White Background



This preview shows how the Yxy color 20.6099, 0.3666, 0.5471 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 20.6099, 0.3666, 0.5471 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 20.6099, 0.3666, 0.5471

Background



This preview shows how black text looks on a background with the Yxy color 20.6099, 0.3666, 0.5471.



This preview shows how white text looks on a background with the Yxy color 20.6099, 0.3666, 0.5471.

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

20.6099, 0.3666, 0.5471

Protanopia

20.3300, 0.4403, 0.4886

Deuteranopia

20.4363, 0.4602, 0.4546



Tritanopia

20.5245, 0.2813, 0.3102

Trichromacy



Original Color

20.6099, 0.3666, 0.5471

Protanomaly

20.2503, 0.4115, 0.5114

Deuteranomaly

20.0305, 0.4252, 0.4897

Tritanomaly

20.1502, 0.3264, 0.4184

Monochromacy



Original Color

20.6099, 0.3666, 0.5471

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

16.8057, 0.3509, 0.4369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6099, 0.3666, 0.5471 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(95, 138, 0)` looks like.

```
.text, #text, p{  
    color:rgb(95, 138, 0)  
}
```

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(95, 138, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(95, 138, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.6099, 0.3666, 0.5471 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(95, 138, 0) }
```

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

```
.border{ border-color:rgb(95, 138, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(95, 138, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(95, 138, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(95, 138, 0);  
box-shadow:4px 4px 4px 4px rgb(95, 138, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 20.6099, 0.3666, 0.5471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(95, 138, 0) }
```

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

```
.background{ background-color: rgb(95, 138,  
0) }
```

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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