

Converting Colors

$Y_{xy}(20.1478, 0.3577, 0.5148)$

Have a look what the booklet for
Yxy(20.1478, 0.3577, 0.5148)
contains.

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Color

Yxy(20.2896, 0.3576, 0.5152)

Conversions

Conversions Part 1

Format	Color
Hex	618826
RGB	97, 136, 38
RGB Percent	38%, 53%, 15%
CMY	0.6197, 0.4666, 0.8509
CMYK	0.29, 0.00, 0.72, 0.47
HSL	84°, 56%, 34%
HSV	84°, 72%, 53%
XYZ	14.0830, 20.2896, 5.0094
YIQ	113.1670, 8.2140, -38.7460

Conversions

Conversions Part 2

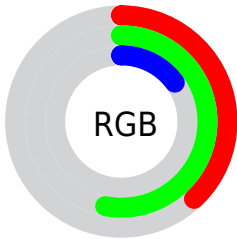
Format	Color
R_{YB}	38, 136, 77
Decimal	6391846
CIE _{Lab}	52.16, -29.23, 45.86
CIE _{LCh}	52, 54.380, 122.511
Yxy	20.2896, 0.3576, 0.5152
Android (android.graphics.Color)	4284581926 (0xFF618826)
YUV	113.1670, -37.0573, -14.1785
Hunter-Lab	45.0440, -23.0189, 24.9371

Details

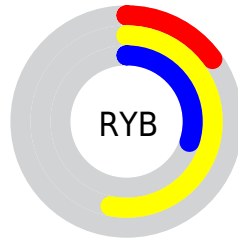
The Yxy color **20.2896, 0.3576, 0.5152** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.7449, 0.2233, 0.1292**, and the grayscale version is **16.6764, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.1275, 0.3533, 0.4728**, and **7.2135, 0.3450, 0.5643** is the 20% darker color. If you saturate the color by 10%, you get **19.9307, 0.3577, 0.5342**, and if you desaturate by 10%, it is **20.7027, 0.3553, 0.4923**.

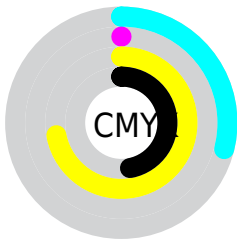
Distribution



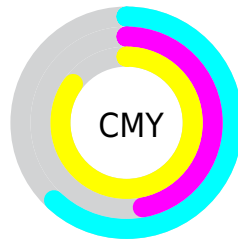
- Red (38%)
- Green (53%)
- Blue (15%)



- Red (15%)
- Yellow (53%)
- Blue (30%)



- Cyan (29%)
- Magenta (0%)
- Yellow (72%)
- Black (47%)





- Cyan (62%)
- Magenta (47%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2896, 0.3576, 0.5152 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 20.2896, 0.3576, 0.5152 by changing the saturation by 10% instead.


 20.2896, 0.3576,
0.5152


 20.2896, 0.3576,
0.5152


 253.4786, 0.3388,
0.4065


 12.6057, 0.3582,
0.5466


 43.9022, 0.3529,
0.4721


 7.1576, 0.3554,
0.5894


 60.5997, 0.3503,
0.4569


 3.5609, 0.3458,
0.6542

 81.0705, 0.3479,
0.4445

 1.4311, 0.2835,
0.7165

 105.6991, 0.3457,
0.4343

 0.2395, 0.0000,
1.0000

 134.8698, 0.3437,
0.4257

 0.0000, 0.0000,
0.0000

 168.9670, 0.3419,

0.4183

208.3752, 0.3402,
0.4120

■ 20.2896, 0.3576,
0.5152

■ 20.2896, 0.3576,
0.5152

■ 19.9307, 0.3577,
0.5342

■ 20.7027, 0.3553,
0.4923

■ 19.6193, 0.3556,
0.5486

■ 21.1708, 0.3510,
0.4665

■ 19.3967, 0.3530,
0.5579

■ 21.6980, 0.3451,
0.4392

■ 22.2872, 0.3382,
0.4115

■ 22.9409, 0.3305,
0.3843

■ 23.6617, 0.3224,
0.3582

■ 24.4519, 0.3144,
0.3338

■ 25.3137, 0.3064,
0.3112

■ 26.2491, 0.2988,
0.2906

Harmonies

Analogous

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



20.2896, 0.4424, 0.4769



20.2896, 0.3576, 0.5152



20.2896, 0.2662, 0.4797

Triad

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



20.2896, 0.3576, 0.5152



20.2896, 0.1520, 0.2091



20.2896, 0.4386, 0.2774

Complementary

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



20.2896, 0.3576, 0.5152



4.7449, 0.2233, 0.1292

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.



20.2896, 0.3373, 0.2249



20.2896, 0.3576, 0.5152



20.2896, 0.1811, 0.1859

Square

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



20.2896, 0.3576, 0.5152



20.2896, 0.1548, 0.2709



20.2896, 0.2435, 0.1927



20.2896, 0.5012, 0.3413

Rectangle

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



20.2896, 0.3576, 0.5152



20.2896, 0.2137, 0.4131



20.2896, 0.2435, 0.1927



20.2896, 0.4068, 0.2582

Sweetspot

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



20.2905, 0.3576, 0.5152



40.3730, 0.3308, 0.3854



10.4863, 0.4888, 0.3925



9.2862, 0.3326, 0.3916



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.



20.2905, 0.3576, 0.5152



34.7917, 0.3567, 0.5432



18.4141, 0.3099, 0.5465



5.7472, 0.3201, 0.3510



18.3624, 0.3531, 0.5578



0.1305, 0.3835, 0.5337

Inverse Universe

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



4.7449, 0.2233, 0.1292



5.7384, 0.2012, 0.0970



7.4934, 0.3004, 0.1663



4.9831, 0.3048, 0.3068



2.4340, 0.1868, 0.0803



0.0243, 0.2361, 0.1075

Previews

White Background



This preview shows how the Yxy color 20.2896, 0.3576, 0.5152 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 20.2896, 0.3576, 0.5152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

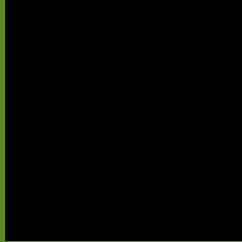
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2896, 0.3576, 0.5152

Background



This preview shows how black text looks on a background with the Yxy color 20.2896, 0.3576, 0.5152.



This preview shows how white text looks on a background with the Yxy color 20.2896, 0.3576, 0.5152.

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

20.2896, 0.3576, 0.5152

Protanopia

20.0256, 0.4254, 0.4692

Deuteranopia

20.1149, 0.4462, 0.4385



Tritanopia

20.2361, 0.2822, 0.3101

Trichromacy



Original Color

20.2896, 0.3576, 0.5152

Protanomaly

19.8508, 0.4003, 0.4861

Deuteranomaly

19.9027, 0.4128, 0.4673

Tritanomaly

19.9081, 0.3145, 0.3876

Monochromacy



Original Color

20.2896, 0.3576, 0.5152

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.4724, 0.3355, 0.4020

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2896, 0.3576, 0.5152 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(97, 136, 38)` looks like.

```
.text, #text, p{  
    color:rgb(97, 136, 38)  
}
```

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(97, 136, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(97, 136, 38) }
```

Border

The CSS property to change the border of an element to Yxy 20.2896, 0.3576, 0.5152 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(97, 136, 38) }
```

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

```
.border{ border-color:rgb(97, 136, 38) }
```

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

Here you see how a box with a 4 pixel rgb(97, 136, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(97, 136, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(97, 136, 38);  
box-shadow:4px 4px 4px 4px rgb(97, 136,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2896, 0.3576, 0.5152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(97, 136, 38) }
```

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

```
.background{ background-color: rgb(97, 136,  
38) }
```

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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