

Converting Colors

$Y_{xy}(20.3202, 0.3802, 0.5363)$

Have a look what the booklet for
Yxy(20.3202, 0.3802, 0.5363)
contains.

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Color

Yxy(20.2710, 0.3802, 0.5363)

Conversions

Conversions Part 1

Format	Color
Hex	688700
RGB	104, 135, 0
RGB Percent	41%, 53%, 0%
CMY	0.5923, 0.4706, 0.9998
CMYK	0.23, 0.00, 1.00, 0.47
HSL	74°, 100%, 26%
HSV	74°, 100%, 53%
XYZ	14.3708, 20.2710, 3.1561
YIQ	110.3410, 24.8590, -48.5570

Conversions

Conversions Part 2

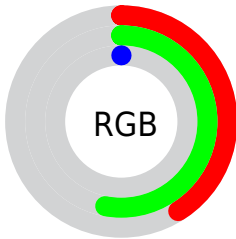
Format	Color
RYB	0, 135, 31
Decimal	6850304
CIELab	52.14, -27.35, 56.05
CIELCh	52, 62.366, 116.008
Yxy	20.2710, 0.3802, 0.5363
Android (android.graphics.Color)	4285040384 (0xFF688700)
YUV	110.3410, -54.3981, -5.5611
Hunter-Lab	45.0233, -21.8164, 27.3601

Details

The Yxy color **20.2710, 0.3802, 0.5363** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **2.0428, 0.1645, 0.0680**, and the grayscale version is **15.8508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7426, 0.3739, 0.4913**, and **7.2271, 0.3577, 0.5542** is the 20% darker color. If you saturate the color by 10%, you get **20.2713, 0.3802, 0.5363**, and if you desaturate by 10%, it is **20.4915, 0.3810, 0.5271**.

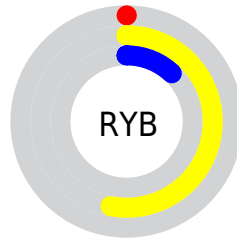
Distribution



Red (41%)

Green (53%)

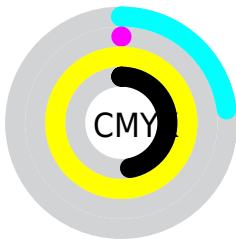
Blue (0%)



Red (0%)

Yellow (53%)

Blue (12%)

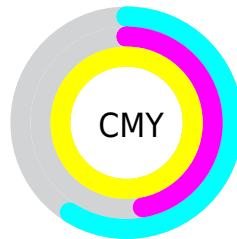


Cyan (23%)

Magenta (0%)

Yellow (100%)

Black (47%)



Cyan (59%)

Magenta (47%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 20.2710, 0.3802, 0.5363 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 20.2710, 0.3802, 0.5363 by changing the saturation by 10% instead.

■ 20.2710, 0.3802,
0.5363

■ 20.2710, 0.3802,
0.5363

■ 253.3784, 0.3522,
0.4190

■ 12.5922, 0.3807,
0.5665

■ 43.8711, 0.3736,
0.4918

■ 7.1483, 0.3835,
0.6165

■ 60.5611, 0.3698,
0.4754

■ 3.5550, 0.3551,
0.6449

■ 81.0237, 0.3661,
0.4618

■ 1.4279, 0.2993,
0.7007

■ 105.6432, 0.3628,
0.4504

■ 0.2372, 0.0000,
1.0000


■ 134.8040, 0.3597,
0.4408


■ 0.0000, 0.0000,
0.0000


■ 168.8906, 0.3570,

0.4325

 208.2873, 0.3545,
0.4253


 20.2710, 0.3802,
0.5363


 20.2710, 0.3802,
0.5363

 20.2713, 0.3802,
0.5363

 20.4915, 0.3810,
0.5271

 20.7364, 0.3802,
0.5147

 21.0170, 0.3769,
0.4981

 21.3370, 0.3714,
0.4777

 21.6993, 0.3639,
0.4545

■ 22.1066, 0.3549,
0.4295

■ 22.5615, 0.3448,
0.4037

■ 23.0662, 0.3342,
0.3779

■ 23.6228, 0.3234,
0.3528

Harmonies

Analogous

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



20.2710, 0.4715, 0.4747



20.2710, 0.3802, 0.5363



20.2710, 0.2783, 0.5235

Triad

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



20.2710, 0.3802, 0.5363



20.2710, 0.1327, 0.2040



20.2710, 0.4331, 0.2561

Complementary

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



20.2710, 0.3802, 0.5363



2.0428, 0.1645, 0.0680

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.



20.2710, 0.3142, 0.2032



20.2710, 0.3802, 0.5363



20.2710, 0.1566, 0.1723

Square

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



20.2710, 0.3802, 0.5363



20.2710, 0.1421, 0.2822



20.2710, 0.2159, 0.1739



20.2710, 0.5183, 0.3229

Rectangle

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



20.2710, 0.3802, 0.5363



20.2710, 0.2165, 0.4552



20.2710, 0.2159, 0.1739



20.2710, 0.3940, 0.2363

Sweetspot

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



20.2719, 0.3802, 0.5363



40.3378, 0.3455, 0.4055



6.0443, 0.6104, 0.3534



9.2707, 0.3493, 0.4150



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.



20.2719, 0.3802, 0.5363



36.2228, 0.3793, 0.5370



17.7479, 0.3143, 0.5886



5.3705, 0.3224, 0.3507



18.6962, 0.3803, 0.5362



0.0680, 0.3999, 0.5206

Inverse Universe

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



2.0428, 0.1645, 0.0680



3.5930, 0.1628, 0.0670



4.2790, 0.2520, 0.1162



4.5924, 0.3025, 0.3068



1.8876, 0.1647, 0.0681



0.0094, 0.2037, 0.0896

Previews

White Background



This preview shows how the Yxy color 20.2710, 0.3802, 0.5363 looks on a white background.

Color Contrast Check

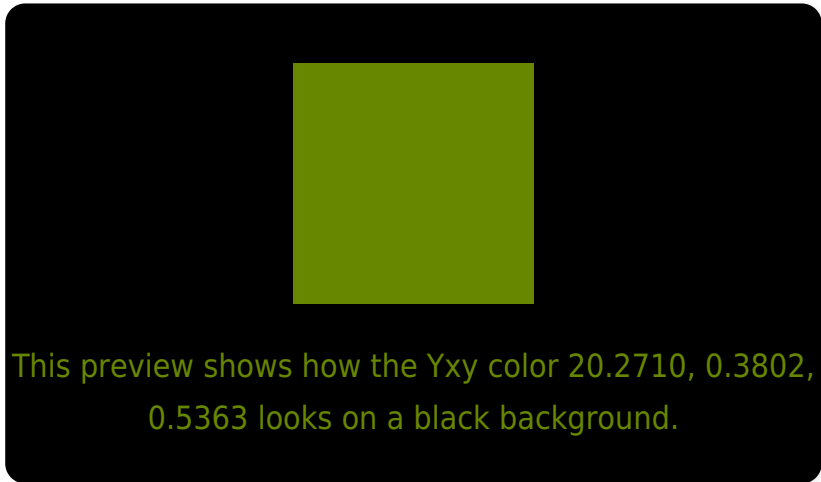
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

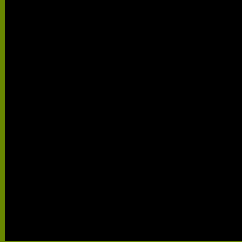
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2710, 0.3802, 0.5363

Background



This preview shows how black text looks on a background with the Yxy color 20.2710, 0.3802, 0.5363.



This preview shows how white text looks on a background with the Yxy color 20.2710, 0.3802, 0.5363.

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

20.2710, 0.3802, 0.5363

Deuteranopia

20.0950, 0.4609, 0.4548

Tritanopia

20.1295, 0.2916, 0.3104

Trichromacy



Original Color

20.2710, 0.3802, 0.5363

Deuteranomaly

19.7711, 0.4322, 0.4850

Tritanomaly

19.8171, 0.3391, 0.4146

Monochromacy



Original Color

20.2710, 0.3802, 0.5363

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

16.8240, 0.3559, 0.4312

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2710, 0.3802, 0.5363 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(104, 135, 0)` looks like.

```
.text, #text, p{  
    color:rgb(104, 135, 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(104, 135, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 135, 0) }
```

Border

The CSS property to change the border of an element to Yxy 20.2710, 0.3802, 0.5363 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(104, 135, 0) }
```

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

```
.border{ border-color:rgb(104, 135, 0) }
```

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

Here you see how a box with a 4 pixel rgb(104, 135, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 135, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 135, 0);  
box-shadow:4px 4px 4px 4px rgb(104, 135,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 20.2710, 0.3802, 0.5363 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 135, 0) }
```

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

```
.background{ background-color: rgb(104,  
135, 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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