

Converting Colors

$Y_{xy}(24.2313, 0.3802, 0.5070)$

Have a look what the booklet for
Yxy(24.2313, 0.3802, 0.5070)
contains.

Yxy(24.0670, 0.3800, 0.5070)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(24.0670, 0.3800, 0.5070)

Conversions

Conversions Part 1

Format	Color
Hex	789024
RGB	120, 144, 36
RGB Percent	47%, 56%, 14%
CMY	0.5294, 0.4353, 0.8588
CMYK	0.17, 0.00, 0.75, 0.44
HSL	73°, 60%, 35%
HSV	73°, 75%, 56%
XYZ	18.0384, 24.0670, 5.3640
YIQ	124.5120, 20.3640, -38.6760

Conversions

Conversions Part 2

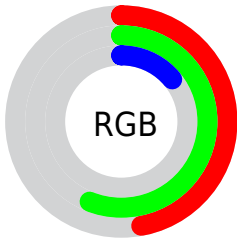
Format	Color
RYB	36, 144, 60
Decimal	7901220
CIELab	56.15, -23.68, 51.09
CIELCh	56, 56.307, 114.865
Yxy	24.0670, 0.3800, 0.5070
Android (android.graphics.Color)	4286091300 (0xFF789024)
YUV	124.5120, -43.6364, -3.9570
Hunter-Lab	49.0581, -20.2183, 27.8579

Details

The Yxy color **24.0670, 0.3800, 0.5070** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **4.2366, 0.1952, 0.1098**, and the grayscale version is **20.4811, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.2234, 0.3710, 0.4696**, and **9.1987, 0.3725, 0.5424** is the 20% darker color. If you saturate the color by 10%, you get **23.7721, 0.3821, 0.5212**, and if you desaturate by 10%, it is **24.4071, 0.3755, 0.4886**.

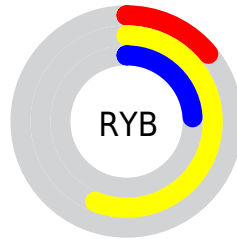
Distribution



Red (47%)

Green (56%)

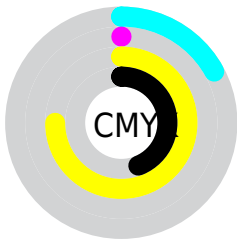
Blue (14%)



Red (14%)

Yellow (56%)

Blue (24%)

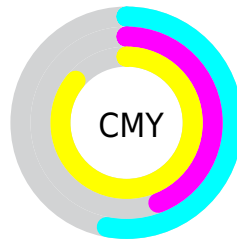


Cyan (17%)

Magenta (0%)

Yellow (75%)

Black (44%)



Cyan (53%)


Magenta (44%)

Yellow (86%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0670, 0.3800, 0.5070 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 24.0670, 0.3800, 0.5070 by changing the saturation by 10% instead.


 24.0670, 0.3800,
0.5070


 24.0670, 0.3800,
0.5070


 273.1590, 0.3496,
0.4079


 15.3833, 0.3838,
0.5330


 50.1395, 0.3710,
0.4694

 9.0889, 0.3852,
0.5659


 68.2971, 0.3669,
0.4556

 4.7992, 0.3847,
0.6153

 90.3815, 0.3631,
0.4442

 2.1299, 0.3514,
0.6486

 116.7771, 0.3598,
0.4346

 0.6814, 0.0927,
0.9073

 147.8683, 0.3568,
0.4264

 0.0000, 0.0000,
0.0000

 184.0394, 0.3542,

0.4194

225.6748, 0.3518,
0.4133

■ 24.0670, 0.3800,
0.5070

■ 24.0670, 0.3800,
0.5070

■ 23.7721, 0.3821,
0.5212

■ 24.4071, 0.3755,
0.4886

■ 23.5141, 0.3818,
0.5311

■ 24.7931, 0.3688,
0.4669

■ 23.3923, 0.3813,
0.5355

■ 25.2293, 0.3604,
0.4427

■ 25.7189, 0.3506,
0.4171

■ 26.2645, 0.3400,
0.3911

■ 26.8689, 0.3291,
0.3655

■ 27.5342, 0.3181,
0.3408

■ 28.2628, 0.3074,
0.3175

■ 29.0568, 0.2972,
0.2959

Harmonies

Analogous

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



24.0670, 0.4580, 0.4592



24.0670, 0.3800, 0.5070



24.0670, 0.2898, 0.4931

Triad

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



24.0670, 0.3800, 0.5070



24.0670, 0.1524, 0.2230



24.0670, 0.4124, 0.2639

Complementary

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



24.0670, 0.3800, 0.5070



4.2366, 0.1952, 0.1098

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.



24.0670, 0.3114, 0.2165



24.0670, 0.3800, 0.5070



24.0670, 0.1730, 0.1912

Square

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



24.0670, 0.3800, 0.5070



24.0670, 0.1636, 0.2949



24.0670, 0.2260, 0.1908



24.0670, 0.4873, 0.3249

Rectangle

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



24.0670, 0.3800, 0.5070



24.0670, 0.2342, 0.4384



24.0670, 0.2260, 0.1908



24.0670, 0.3792, 0.2461

Sweetspot

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



24.0681, 0.3800, 0.5070



46.5846, 0.3373, 0.3845



9.2267, 0.5283, 0.3636



10.6266, 0.3399, 0.3907



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



24.0681, 0.3800, 0.5070



41.6096, 0.3821, 0.5284



21.2538, 0.3230, 0.5458



6.2258, 0.3227, 0.3510



20.3806, 0.3815, 0.5353



0.2045, 0.4007, 0.5201

Inverse Universe

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



4.2366, 0.1952, 0.1098



4.8404, 0.1717, 0.0775



6.8134, 0.2701, 0.1469



5.3092, 0.3022, 0.3065



2.0299, 0.1637, 0.0675



0.0277, 0.2021, 0.0887

Previews

White Background



This preview shows how the Yxy color 24.0670, 0.3800, 0.5070 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 24.0670, 0.3800, 0.5070 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 24.0670, 0.3800, 0.5070

Background



This preview shows how black text looks on a background with the Yxy color 24.0670, 0.3800, 0.5070.



This preview shows how white text looks on a background with the Yxy color 24.0670, 0.3800, 0.5070.

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

24.0670, 0.3800, 0.5070

Protanopia

24.0227, 0.4279, 0.4734

Deuteranopia

23.9376, 0.4512, 0.4444



Tritanopia

23.9198, 0.2982, 0.3102

Trichromacy



Original Color

24.0670, 0.3800, 0.5070

Protanomaly

23.8738, 0.4106, 0.4851

Deuteranomaly

23.7827, 0.4257, 0.4672

Tritanomaly

23.7089, 0.3345, 0.3889

Monochromacy



Original Color

24.0670, 0.3800, 0.5070

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

21.5038, 0.3442, 0.4024

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0670, 0.3800, 0.5070 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(120, 144, 36)` looks like.

```
.text, #text, p{  
    color:rgb(120, 144, 36)  
}
```

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(120, 144, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 144, 36) }
```

Border

The CSS property to change the border of an element to Yxy 24.0670, 0.3800, 0.5070 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(120, 144, 36) }
```

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

```
.border{ border-color:rgb(120, 144, 36) }
```

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

Here you see how a box with a 4 pixel rgb(120, 144, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 144, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 144, 36);  
box-shadow:4px 4px 4px 4px rgb(120, 144,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 24.0670, 0.3800, 0.5070 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 144, 36) }
```

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

```
.background{ background-color: rgb(120,  
144, 36) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor