

Converting Colors

$Y_{xy}(12.7020, 0.5898, 0.3650)$

Have a look what the booklet for
Yxy(12.7020, 0.5898, 0.3650)
contains.

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Color

Yxy(12.6674, 0.5903, 0.3646)

Conversions

Conversions Part 1

Format	Color
Hex	B53807
RGB	181, 56, 7
RGB Percent	71%, 22%, 3%
CMY	0.2902, 0.7804, 0.9723
CMYK	0.00, 0.69, 0.96, 0.29
HSL	17°, 92%, 37%
HSV	17°, 96%, 71%
XYZ	20.5090, 12.6674, 1.5669
YIQ	87.7890, 90.2290, 11.2610

Conversions

Conversions Part 2

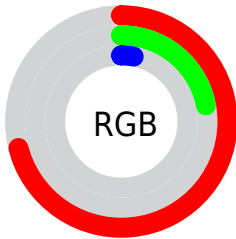
Format	Color
RYB	181, 75, 7
Decimal	11876359
CIELab	42.26, 48.79, 51.80
CIElCh	42, 71.155, 46.715
Yxy	12.6674, 0.5903, 0.3646
Android (android.graphics.Color)	4290066439 (0xFFB53807)
YUV	87.7890, -39.8290, 81.7460
Hunter-Lab	35.5913, 40.5732, 22.3036

Details

The Yxy color **12.6674, 0.5903, 0.3646** is a dark color, and the websafe version is hex **993300**. A complement of this color would be **19.9003, 0.2004, 0.2390**, and the grayscale version is **9.7864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.7007, 0.5317, 0.3738**, and **3.9219, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **12.1852, 0.6004, 0.3615**, and if you desaturate by 10%, it is **14.1525, 0.5614, 0.3719**.

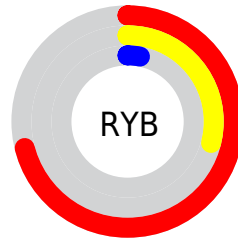
Distribution



Red (71%)

Green (22%)

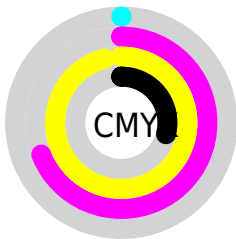
Blue (3%)



Red (71%)

Yellow (29%)

Blue (3%)

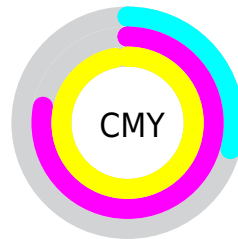


Cyan (0%)

Magenta (69%)

Yellow (96%)

Black (29%)



Cyan (29%)


Magenta (78%)

Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 12.6674, 0.5903, 0.3646 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 12.6674, 0.5903, 0.3646 by changing the saturation by 10% instead.


 12.6674, 0.5903,
0.3646


 12.6674, 0.5903,
0.3646


 208.7749, 0.4330,
0.3653


 7.1999, 0.6329,
0.3539


 30.7049, 0.5319,
0.3731


 3.5874, 0.6741,
0.3259

 44.0438, 0.5098,
0.3735

 1.4456, 0.7231,
0.2769

 60.7752, 0.4914,
0.3728

 0.2499, 0.8631,
0.1369

 81.2837, 0.4759,
0.3715


 0.0000, 1.0000,
0.0000

 105.9534, 0.4627,
0.3701

 0.0000, 0.0000,
0.0000


 135.1690, 0.4514,


0.3685

 169.3147, 0.4416,
0.3669


 12.6674, 0.5903,
0.3646

 12.6674, 0.5903,
0.3646

 12.1852, 0.6004,
0.3615

 14.1525, 0.5614,
0.3719

 16.0377, 0.5264,
0.3749

 18.3539, 0.4888,
0.3738

 21.1274, 0.4521,
0.3695

 24.3822, 0.4183,
0.3632

■ 28.1405, 0.3884,
0.3558

■ 32.4232, 0.3627,
0.3481

■ 37.2497, 0.3408,
0.3404

■ 42.6387, 0.3225,
0.3332

Harmonies

Analogous

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



12.6674, 0.5576, 0.2855



12.6674, 0.5903, 0.3646



12.6674, 0.5296, 0.4612

Triad

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



12.6674, 0.5903, 0.3646



12.6674, 0.1805, 0.5000



12.6674, 0.1636, 0.1360

Complementary

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



12.6674, 0.5903, 0.3646



19.9003, 0.2004, 0.2390

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.



12.6674, 0.1105, 0.1423



12.6674, 0.5903, 0.3646



12.6674, 0.1125, 0.3061

Square

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



12.6674, 0.5903, 0.3646



12.6674, 0.2928, 0.6160



12.6674, 0.0940, 0.1891



12.6674, 0.2674, 0.1603

Rectangle

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



12.6674, 0.5903, 0.3646



12.6674, 0.4591, 0.5344



12.6674, 0.0940, 0.1891



12.6674, 0.1410, 0.1346

Sweetspot

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



12.6682, 0.5903, 0.3646



55.3635, 0.3709, 0.3507



11.7156, 0.3980, 0.1986



11.2741, 0.3818, 0.3539



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



12.6682, 0.5903, 0.3646



21.4918, 0.6031, 0.3593



28.7170, 0.4640, 0.4670



8.8817, 0.3280, 0.3355



8.5037, 0.5982, 0.3633



0.3688, 0.5426, 0.4074

Inverse Universe

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



19.9003, 0.2004, 0.2390



34.1985, 0.1981, 0.2333



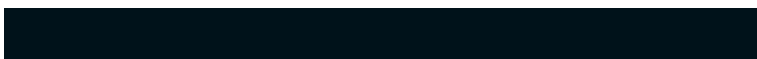
5.4672, 0.1600, 0.0923



9.2193, 0.2986, 0.3224



13.4409, 0.1990, 0.2362



0.5156, 0.2070, 0.2651

Previews

White Background



This preview shows how the Yxy color 12.6674, 0.5903, 0.3646 looks on a white 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

Black Background



This preview shows how the Yxy color 12.6674, 0.5903, 0.3646 looks on a black 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

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

Yxy 12.6674, 0.5903, 0.3646

Background



This preview shows how black text looks on a background with the Yxy color 12.6674, 0.5903, 0.3646.



This preview shows how white text looks on a background with the Yxy color 12.6674, 0.5903, 0.3646.

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

12.6674, 0.5903, 0.3646

Protanopia

12.8722, 0.4287, 0.4758

Deuteranopia

12.8778, 0.4684, 0.4663



Tritanopia

12.6769, 0.5462, 0.3265

Trichromacy



Original Color

12.6674, 0.5903, 0.3646

Protanomaly

11.9377, 0.4968, 0.4290

Deuteranomaly

12.0945, 0.5221, 0.4212

Tritanomaly

12.6312, 0.5696, 0.3440

Monochromacy



Original Color

12.6674, 0.5903, 0.3646

Achromatopsia

9.7587, 0.3127, 0.3290

Achromatomaly

9.6222, 0.4315, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 12.6674, 0.5903, 0.3646 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(181, 56, 7)` looks like.

```
.text, #text, p{  
    color:rgb(181, 56, 7)  
}
```

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(181, 56, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 56, 7) }
```

Border

The CSS property to change the border of an element to Yxy 12.6674, 0.5903, 0.3646 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(181, 56, 7) }
```

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

```
.border{ border-color:rgb(181, 56, 7) }
```

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

Here you see how a box with a 4 pixel rgb(181, 56, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 56, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 56, 7);  
box-shadow:4px 4px 4px 4px rgb(181, 56, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 12.6674, 0.5903, 0.3646 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 56, 7) }
```

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

```
.background{ background-color: rgb(181, 56,  
7) }
```

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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