

Converting Colors

$Y_{xy}(15.5830, 0.5792, 0.4112)$

Have a look what the booklet for
Yxy(15.5830, 0.5792, 0.4112)
contains.

Yxy(15.6824, 0.5582, 0.3950)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(15.6824, 0.5582, 0.3950)

Conversions

Conversions Part 1

Format	Color
Hex	B65000
RGB	182, 80, 0
RGB Percent	71%, 31%, 0%
CMY	0.2862, 0.6863, 1.0000
CMYK	0.00, 0.56, 1.00, 0.29
HSL	26°, 100%, 36%
HSV	26°, 100%, 71%
XYZ	22.1618, 15.6824, 1.8581
YIQ	101.3780, 86.4720, -3.2560

Conversions

Conversions Part 2

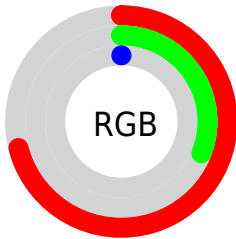
Format	Color
RYB	182, 143, 0
Decimal	11948032
CIELab	46.56, 38.11, 56.36
CIElCh	47, 68.039, 55.934
Yxy	15.6824, 0.5582, 0.3950
Android (android.graphics.Color)	4290138112 (0xFFB65000)
YUV	101.3780, -49.9794, 70.7055
Hunter-Lab	39.6010, 30.5917, 24.9388

Details

The Yxy color **15.6824, 0.5582, 0.3950** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **12.8829, 0.1830, 0.1786**, and the grayscale version is **13.2324, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.2308, 0.5098, 0.3955**, and **4.9437, 0.6039, 0.3587** is the 20% darker color. If you saturate the color by 10%, you get **15.6833, 0.5582, 0.3950**, and if you desaturate by 10%, it is **17.3366, 0.5351, 0.4020**.

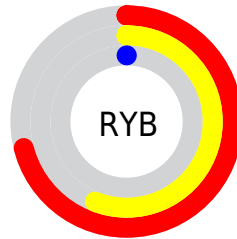
Distribution



Red (71%)

Green (31%)

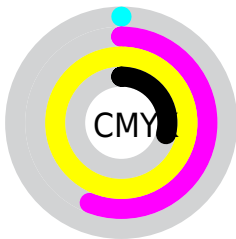
Blue (0%)



Red (71%)

Yellow (56%)

Blue (0%)

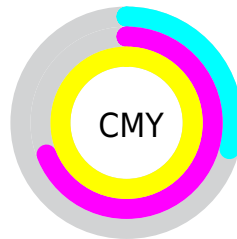


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (29%)



Cyan (29%)


Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 15.6824, 0.5582, 0.3950 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 15.6824, 0.5582, 0.3950 by changing the saturation by 10% instead.


 15.6824, 0.5582,
0.3950


 15.6824, 0.5582,
0.3950


 227.4603, 0.4241,
0.3768


 9.2997, 0.5907,
0.3898


 36.0460, 0.5098,
0.3953


 4.9372, 0.6261,
0.3739

 50.7956, 0.4912,
0.3930

 2.2104, 0.6615,
0.3385

 69.1030, 0.4754,
0.3903


 0.7257, 0.7220,
0.2780

 91.3525, 0.4619,
0.3874


 0.0000, 1.0000,
0.0000


 117.9287, 0.4504,
0.3845


 0.0000, 0.0000,
0.0000

 149.2157, 0.4404,

0.3818


 185.5981, 0.4318,
0.3792


 15.6824, 0.5582,
0.3950


 15.6824, 0.5582,
0.3950


 15.6833, 0.5582,
0.3950

 17.3366, 0.5351,
0.4020

 19.2675, 0.5084,
0.4046

 21.5005, 0.4790,
0.4020

 24.0516, 0.4489,
0.3954

 26.9354, 0.4198,
0.3860

■ 30.1652, 0.3930,
0.3749

■ 33.7535, 0.3688,
0.3631

■ 37.7121, 0.3474,
0.3513

■ 42.0521, 0.3288,
0.3398

Harmonies

Analogous

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



15.6824, 0.5540, 0.3156



15.6824, 0.5582, 0.3950



15.6824, 0.4872, 0.4860

Triad

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



15.6824, 0.5582, 0.3950



15.6824, 0.1697, 0.4260



15.6824, 0.2004, 0.1540

Complementary

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



15.6824, 0.5582, 0.3950



12.8829, 0.1830, 0.1786

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.



15.6824, 0.1362, 0.1513



15.6824, 0.5582, 0.3950



15.6824, 0.1187, 0.2702

Square

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



15.6824, 0.5582, 0.3950



15.6824, 0.2665, 0.5667



15.6824, 0.1105, 0.1837



15.6824, 0.3123, 0.1859

Rectangle

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



15.6824, 0.5582, 0.3950



15.6824, 0.4182, 0.5457



15.6824, 0.1105, 0.1837



15.6824, 0.1740, 0.1498

Sweetspot

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



15.6833, 0.5582, 0.3950



60.8412, 0.3699, 0.3637



10.9284, 0.4676, 0.2350



12.8192, 0.3798, 0.3687



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



15.6833, 0.5582, 0.3950



27.9780, 0.5609, 0.3928



38.6493, 0.4315, 0.4956



9.6443, 0.3277, 0.3391



11.2020, 0.5562, 0.3965



0.5186, 0.5123, 0.4314

Inverse Universe

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



12.8829, 0.1830, 0.1786



22.8754, 0.1822, 0.1760



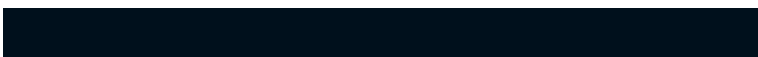
3.6440, 0.1512, 0.0642



9.5319, 0.2985, 0.3187



9.2310, 0.1835, 0.1804



0.4465, 0.1952, 0.2227

Previews

White Background



This preview shows how the Yxy color 15.6824, 0.5582, 0.3950 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



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 15.6824, 0.5582, 0.3950

Background



This preview shows how black text looks on a background with the Yxy color 15.6824, 0.5582, 0.3950.



This preview shows how white text looks on a background with the Yxy color 15.6824, 0.5582, 0.3950.

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

15.6824, 0.5582, 0.3950

Protanopia

15.7693, 0.4338, 0.4802

Deuteranopia

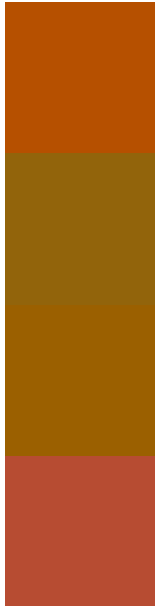
15.6786, 0.4703, 0.4648



Tritanopia

15.6524, 0.4876, 0.3230

Trichromacy



Original Color

15.6824, 0.5582, 0.3950

Protanomaly

15.2495, 0.4829, 0.4470

Deuteranomaly

15.3343, 0.5048, 0.4374

Tritanomaly

15.4665, 0.5281, 0.3600

Monochromacy



Original Color

15.6824, 0.5582, 0.3950

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

12.9447, 0.4180, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.6824, 0.5582, 0.3950 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(182, 80, 0)` looks like.

```
.text, #text, p{  
  color:rgb(182, 80, 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(182, 80, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(182, 80, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.6824, 0.5582, 0.3950 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(182, 80, 0) }
```

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

```
.border{ border-color:rgb(182, 80, 0) }
```

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

Here you see how a box with a 4 pixel rgb(182, 80, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(182, 80, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(182, 80, 0);  
box-shadow:4px 4px 4px 4px rgb(182, 80, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.6824, 0.5582, 0.3950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(182, 80, 0) }
```

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

```
.background{ background-color: rgb(182, 80,  
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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