

Converting Colors

$Y_{xy}(17.3568, 0.5582, 0.4012)$

Have a look what the booklet for
Yxy(17.3568, 0.5582, 0.4012)
contains.

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Color

Yxy(17.4744, 0.5541, 0.3982)

Conversions

Conversions Part 1

Format	Color
Hex	BD5600
RGB	189, 86, 0
RGB Percent	74%, 34%, 0%
CMY	0.2588, 0.6627, 0.9997
CMYK	0.00, 0.54, 1.00, 0.26
HSL	27°, 100%, 37%
HSV	27°, 100%, 74%
XYZ	24.3158, 17.4744, 2.0932
YIQ	106.9930, 88.9940, -4.9100

Conversions

Conversions Part 2

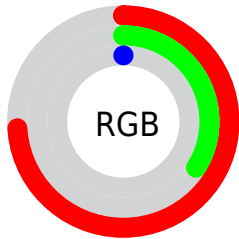
Format	Color
RYB	189, 158, 0
Decimal	12408320
CIELab	48.85, 37.87, 58.24
CIElCh	49, 69.469, 56.962
Yxy	17.4744, 0.5541, 0.3982
Android (android.graphics.Color)	4290598400 (0xFFBD5600)
YUV	106.9930, -52.7475, 71.9201
Hunter-Lab	41.8024, 30.6766, 26.2927

Details

The Yxy color **17.4744, 0.5541, 0.3982** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.3912, 0.1814, 0.1729**, and the grayscale version is **14.8342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.2093, 0.5077, 0.3975**, and **5.8509, 0.5954, 0.3654** is the 20% darker color. If you saturate the color by 10%, you get **17.4690, 0.5542, 0.3982**, and if you desaturate by 10%, it is **19.2880, 0.5318, 0.4051**.

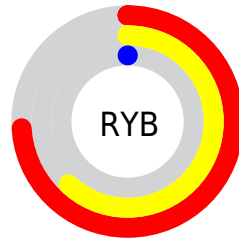
Distribution



Red (74%)

Green (34%)

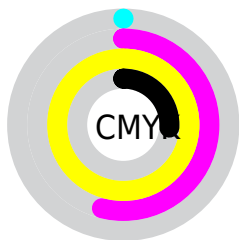
Blue (0%)



Red (74%)

Yellow (62%)

Blue (0%)

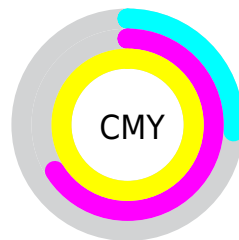


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (26%)



Cyan (26%)

Magenta (66%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.4744, 0.5541, 0.3982 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 17.4744, 0.5541, 0.3982 by changing the saturation by 10% instead.


 17.4744, 0.5541,
0.3982


 17.4744, 0.5541,
0.3982


237.8916, 0.4245,
0.3785


 10.5733, 0.5839,
0.3934


 39.1397, 0.5079,
0.3976


 5.7807, 0.6191,
0.3809

 54.6726, 0.4900,
0.3952


 2.7122, 0.6511,
0.3489

 73.8516, 0.4747,
0.3923

 0.9834, 0.7021,
0.2979

 97.0611, 0.4616,
0.3893


 0.0000, 1.0000,
0.0000

 124.6854, 0.4503,
0.3864


 0.0000, 0.0000,
0.0000


 157.1090, 0.4406,


0.3836

 194.7163, 0.4320,
0.3809


 17.4744, 0.5541,
0.3982


 17.4744, 0.5541,
0.3982


 17.4690, 0.5542,
0.3982

 19.2880, 0.5318,
0.4051

 21.3929, 0.5058,
0.4075

 23.8153, 0.4770,
0.4047

 26.5722, 0.4476,
0.3978

 29.6786, 0.4190,
0.3880

■ 33.1485, 0.3925,
0.3765

■ 36.9949, 0.3685,
0.3643

■ 41.2300, 0.3473,
0.3520

■ 45.8655, 0.3288,
0.3402

Harmonies

Analogous

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



17.4744, 0.5524, 0.3189



17.4744, 0.5541, 0.3982



17.4744, 0.4827, 0.4883

Triad

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



17.4744, 0.5541, 0.3982



17.4744, 0.1691, 0.4186



17.4744, 0.2048, 0.1564

Complementary

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



17.4744, 0.5541, 0.3982



13.3912, 0.1814, 0.1729

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.



17.4744, 0.1395, 0.1528



17.4744, 0.5541, 0.3982



17.4744, 0.1199, 0.2673

Square

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



17.4744, 0.5541, 0.3982



17.4744, 0.2640, 0.5598



17.4744, 0.1128, 0.1837



17.4744, 0.3170, 0.1891

Rectangle

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



17.4744, 0.5541, 0.3982



17.4744, 0.4142, 0.5461



17.4744, 0.1128, 0.1837



17.4744, 0.1781, 0.1519

Sweetspot

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



17.4754, 0.5541, 0.3982



65.8787, 0.3697, 0.3649



11.8205, 0.4750, 0.2391



13.5277, 0.3795, 0.3701



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.4754, 0.5541, 0.3982



30.8186, 0.5567, 0.3962



43.2853, 0.4283, 0.4981



10.2319, 0.3277, 0.3395



11.9015, 0.5521, 0.3999



0.5970, 0.5124, 0.4314

Inverse Universe

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



13.3912, 0.1814, 0.1729



23.4831, 0.1807, 0.1704



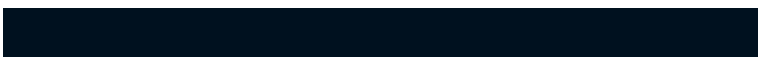
3.8815, 0.1509, 0.0630



10.0641, 0.2984, 0.3183



9.1590, 0.1820, 0.1750



0.4880, 0.1932, 0.2154

Previews

White Background



This preview shows how the Yxy color 17.4744, 0.5541, 0.3982 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 17.4744, 0.5541, 0.3982 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 17.4744, 0.5541, 0.3982

Background



This preview shows how black text looks on a background with the Yxy color 17.4744, 0.5541, 0.3982.



This preview shows how white text looks on a background with the Yxy color 17.4744, 0.5541, 0.3982.

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

17.4744, 0.5541, 0.3982

Protanopia

17.6686, 0.4348, 0.4808

Deuteranopia

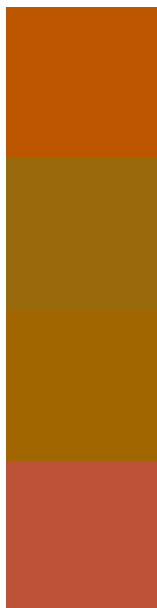
17.5719, 0.4694, 0.4655



Tritanopia

17.4696, 0.4808, 0.3232

Trichromacy



Original Color

17.4744, 0.5541, 0.3982

Protanomaly

17.1045, 0.4816, 0.4489

Deuteranomaly

17.1841, 0.5024, 0.4393

Tritanomaly

17.2481, 0.5227, 0.3618

Monochromacy



Original Color

17.4744, 0.5541, 0.3982

Achromatopsia

14.7027, 0.3127, 0.3290

Achromatomaly

14.6594, 0.4170, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.4744, 0.5541, 0.3982 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(189, 86, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 86, 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(189, 86, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 86, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.4744, 0.5541, 0.3982 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(189, 86, 0) }
```

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

```
.border{ border-color:rgb(189, 86, 0) }
```

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

Here you see how a box with a 4 pixel rgb(189, 86, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 86, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 86, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 86, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.4744, 0.5541, 0.3982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 86, 0) }
```

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

```
.background{ background-color: rgb(189, 86,  
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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