

Converting Colors

$Y_{xy}(17.0233, 0.5579, 0.3952)$

Have a look what the booklet for
Yxy(17.0233, 0.5579, 0.3952)
contains.

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Color

Yxy(17.0053, 0.5587, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	BD5300
RGB	189, 83, 0
RGB Percent	74%, 33%, 0%
CMY	0.2589, 0.6744, 1.0000
CMYK	0.00, 0.56, 1.00, 0.26
HSL	26°, 100%, 37%
HSV	26°, 100%, 74%
XYZ	24.0772, 17.0053, 2.0125
YIQ	105.2320, 89.8190, -3.3410

Conversions

Conversions Part 2

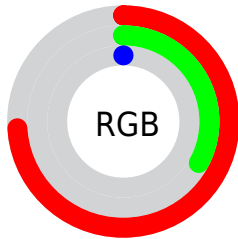
Format	Color
RYB	189, 148, 0
Decimal	12407552
CIELab	48.27, 39.36, 57.92
CIElCh	48, 70.030, 55.806
Yxy	17.0053, 0.5587, 0.3946
Android (android.graphics.Color)	4290597632 (0xFFBD5300)
YUV	105.2320, -51.8794, 73.4645
Hunter-Lab	41.2375, 32.0546, 25.9727

Details

The Yxy color **17.0053, 0.5587, 0.3946** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **13.9756, 0.1829, 0.1783**, and the grayscale version is **14.3197, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.3496, 0.5114, 0.3952**, and **5.6222, 0.6026, 0.3597** is the 20% darker color. If you saturate the color by 10%, you get **17.0063, 0.5587, 0.3946**, and if you desaturate by 10%, it is **18.8008, 0.5358, 0.4018**.

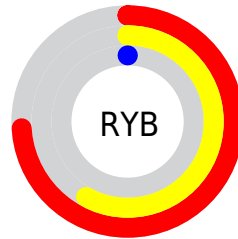
Distribution



Red (74%)

Green (33%)

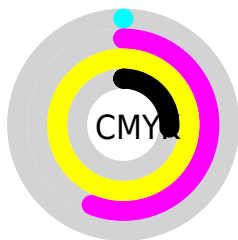
Blue (0%)



Red (74%)

Yellow (58%)

Blue (0%)

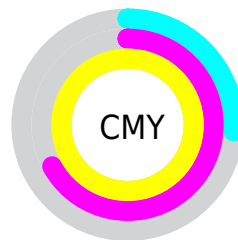


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (67%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 17.0053, 0.5587, 0.3946 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 17.0053, 0.5587, 0.3946 by changing the saturation by 10% instead.

 17.0053, 0.5587,
0.3946


 17.0053, 0.5587,
0.3946

 235.2029, 0.4261,
0.3773


 10.2383, 0.5896,
0.3890


 38.3349, 0.5113,
0.3951

 5.5572, 0.6252,
0.3748

 53.6662, 0.4929,
0.3930


 2.5778, 0.6588,
0.3412

 72.6211, 0.4773,
0.3904


 0.9155, 0.7125,
0.2875

 95.5840, 0.4639,
0.3876

 0.0000, 1.0000,
0.0000


 122.9392, 0.4524,
0.3848


 0.0000, 0.0000,
0.0000

 155.0712, 0.4425,

0.3821

 192.3643, 0.4338,
0.3796


 17.0053, 0.5587,
0.3946


 17.0053, 0.5587,
0.3946

 17.0063, 0.5587,
0.3946

 18.8008, 0.5358,
0.4018

 20.8990, 0.5091,
0.4045

 23.3273, 0.4796,
0.4021

 26.1034, 0.4494,
0.3955

 29.2432, 0.4202,
0.3861

■ 32.7613, 0.3932,
0.3750

■ 36.6715, 0.3690,
0.3632

■ 40.9868, 0.3476,
0.3513

■ 45.7192, 0.3289,
0.3398

Harmonies

Analogous

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



17.0053, 0.5541, 0.3152



17.0053, 0.5587, 0.3946



17.0053, 0.4877, 0.4856

Triad

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



17.0053, 0.5587, 0.3946



17.0053, 0.1697, 0.4269



17.0053, 0.1998, 0.1537

Complementary

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



17.0053, 0.5587, 0.3946



13.9756, 0.1829, 0.1783

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.



17.0053, 0.1358, 0.1511



17.0053, 0.5587, 0.3946



17.0053, 0.1185, 0.2706

Square

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



17.0053, 0.5587, 0.3946



17.0053, 0.2668, 0.5675



17.0053, 0.1102, 0.1837



17.0053, 0.3117, 0.1855

Rectangle

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



17.0053, 0.5587, 0.3946



17.0053, 0.4187, 0.5456



17.0053, 0.1102, 0.1837



17.0053, 0.1735, 0.1495

Sweetspot

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



17.0063, 0.5587, 0.3946



65.3359, 0.3701, 0.3637



11.8807, 0.4681, 0.2352



13.3996, 0.3800, 0.3687



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.



17.0063, 0.5587, 0.3946



30.0036, 0.5613, 0.3925



42.0204, 0.4315, 0.4956



10.2074, 0.3278, 0.3391



11.5909, 0.5565, 0.3963



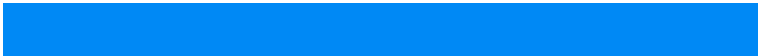
0.5844, 0.5156, 0.4288

Inverse Universe

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



13.9756, 0.1829, 0.1783



24.5474, 0.1822, 0.1758



3.9513, 0.1511, 0.0641



10.0888, 0.2984, 0.3187



9.5589, 0.1834, 0.1803



0.5027, 0.1943, 0.2195

Previews

White Background



This preview shows how the Yxy color 17.0053, 0.5587, 0.3946 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 17.0053, 0.5587, 0.3946 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 17.0053, 0.5587, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 17.0053, 0.5587, 0.3946.



This preview shows how white text looks on a background with the Yxy color 17.0053, 0.5587, 0.3946.

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

17.0053, 0.5587, 0.3946

Protanopia

17.2803, 0.4331, 0.4810

Deuteranopia

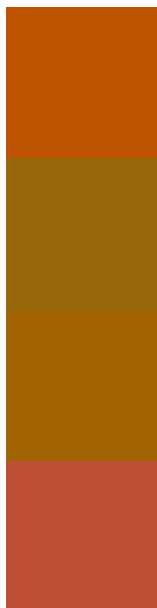
17.0483, 0.4714, 0.4639



Tritanopia

16.9933, 0.4882, 0.3233

Trichromacy



Original Color

17.0053, 0.5587, 0.3946

Protanomaly

16.5041, 0.4824, 0.4480

Deuteranomaly

16.7957, 0.5058, 0.4366

Tritanomaly

16.7870, 0.5287, 0.3600

Monochromacy



Original Color

17.0053, 0.5587, 0.3946

Achromatopsia

14.1263, 0.3127, 0.3290

Achromatomaly

14.1889, 0.4189, 0.3849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.0053, 0.5587, 0.3946 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, 83, 0)` looks like.

```
.text, #text, p{  
    color:rgb(189, 83, 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, 83, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(189, 83, 0) }
```

Border

The CSS property to change the border of an element to Yxy 17.0053, 0.5587, 0.3946 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, 83, 0) }
```

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

```
.border{ border-color:rgb(189, 83, 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, 83, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(189, 83, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(189, 83, 0);  
box-shadow:4px 4px 4px 4px rgb(189, 83, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 17.0053, 0.5587, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(189, 83, 0) }
```

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

```
.background{ background-color: rgb(189, 83,  
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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