

Converting Colors

$Yxy(19.9954, 0.5300, 0.4174)$

Have a look what the booklet for
Yxy(19.9954, 0.5300, 0.4174)
contains.

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Color

Yxy(19.9987, 0.5300, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	BC6500
RGB	188, 101, 0
RGB Percent	74%, 40%, 0%
CMY	0.2627, 0.6039, 1.0000
CMYK	0.00, 0.46, 1.00, 0.26
HSL	32°, 100%, 37%
HSV	32°, 100%, 74%
XYZ	25.3937, 19.9987, 2.5202
YIQ	115.4990, 84.2730, -12.9670

Conversions

Conversions Part 2

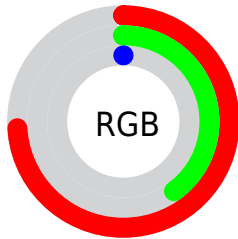
Format	Color
RYB	162, 188, 0
Decimal	12346624
CIELab	51.84, 29.64, 59.96
CIELCh	52, 66.885, 63.698
Yxy	19.9987, 0.5300, 0.4174
Android (android.graphics.Color)	4290536704 (0xFFBC6500)
YUV	115.4990, -56.9410, 63.5834
Hunter-Lab	44.7199, 23.0992, 27.9626

Details

The Yxy color **19.9987, 0.5300, 0.4174** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.4481, 0.1737, 0.1454**, and the grayscale version is **17.4625, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4653, 0.4900, 0.4118**, and **7.0452, 0.5627, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **19.9999, 0.5300, 0.4174**, and if you desaturate by 10%, it is **21.8262, 0.5111, 0.4225**.

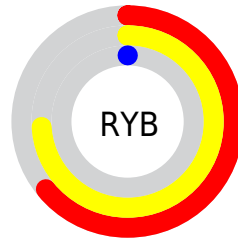
Distribution



Red (74%)

Green (40%)

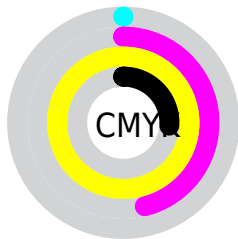
Blue (0%)



Red (64%)

Yellow (74%)

Blue (0%)

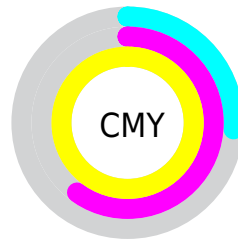


Cyan (0%)

Magenta (46%)

Yellow (100%)

Black (26%)



Cyan (26%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9987, 0.5300, 0.4174 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 19.9987, 0.5300, 0.4174 by changing the saturation by 10% instead.


 19.9987, 0.5300,
0.4174


 19.9987, 0.5300,
0.4174


251.9081, 0.4161,
0.3852

 12.3941, 0.5547,
0.4167


 43.4150, 0.4900,
0.4113


 7.0127, 0.5871,
0.4129


 59.9955, 0.4743,
0.4070

 3.4700, 0.6107,
0.3893

 80.3367, 0.4608,
0.4028

 1.3818, 0.6483,
0.3517

 104.8231, 0.4493,
0.3987

 0.2032, 0.8189,
0.1811


 133.8391, 0.4392,
0.3949


 0.0000, 0.0000,
0.0000


 167.7689, 0.4305,

0.3914

 206.9971, 0.4228,
0.3881


 19.9987, 0.5300,
0.4174


 19.9987, 0.5300,
0.4174


 19.9999, 0.5300,
0.4174

 21.8262, 0.5111,
0.4225

 23.8814, 0.4891,
0.4231

 26.1870, 0.4646,
0.4185

 28.7559, 0.4388,
0.4098

 31.5998, 0.4134,
0.3981

■ 34.7293, 0.3892,
0.3847

■ 38.1543, 0.3668,
0.3704

■ 41.8840, 0.3466,
0.3561

■ 45.9272, 0.3286,
0.3422

Harmonies

Analogous

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



19.9987, 0.5435, 0.3390



19.9987, 0.5300, 0.4174



19.9987, 0.4556, 0.5012

Triad

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



19.9987, 0.5300, 0.4174



19.9987, 0.1648, 0.3773



19.9987, 0.2321, 0.1707

Complementary

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



19.9987, 0.5300, 0.4174



10.4481, 0.1737, 0.1454

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.



19.9987, 0.1599, 0.1610



19.9987, 0.5300, 0.4174



19.9987, 0.1263, 0.2504

Square

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



19.9987, 0.5300, 0.4174



19.9987, 0.2473, 0.5180



19.9987, 0.1264, 0.1832



19.9987, 0.3460, 0.2080

Rectangle

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



19.9987, 0.5300, 0.4174



19.9987, 0.3890, 0.5466



19.9987, 0.1264, 0.1832



19.9987, 0.2032, 0.1642

Sweetspot

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



19.9999, 0.5300, 0.4174



68.8268, 0.3679, 0.3711



11.3923, 0.5103, 0.2585



14.2261, 0.3771, 0.3772



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.



19.9999, 0.5300, 0.4174



35.7475, 0.5322, 0.4156



45.8822, 0.4135, 0.5099



10.3623, 0.3275, 0.3413



13.7662, 0.5282, 0.4188



0.6689, 0.4954, 0.4448

Inverse Universe

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



10.4481, 0.1737, 0.1454



18.4546, 0.1729, 0.1426



3.6715, 0.1510, 0.0606



9.9334, 0.2984, 0.3164



7.2587, 0.1743, 0.1476



0.4153, 0.1871, 0.1936

Previews

White Background



This preview shows how the Yxy color 19.9987, 0.5300, 0.4174 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 19.9987, 0.5300, 0.4174 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 19.9987, 0.5300, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 19.9987, 0.5300, 0.4174.



This preview shows how white text looks on a background with the Yxy color 19.9987, 0.5300, 0.4174.

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

19.9987, 0.5300, 0.4174

Protanopia

20.2801, 0.4347, 0.4833

Deuteranopia

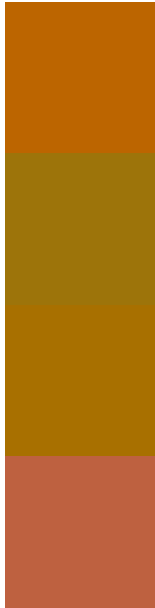
20.1250, 0.4705, 0.4646



Tritanopia

20.0214, 0.4449, 0.3200

Trichromacy



Original Color

19.9987, 0.5300, 0.4174

Protanomaly

19.6808, 0.4709, 0.4587

Deuteranomaly

19.9132, 0.4926, 0.4471

Tritanomaly

19.8667, 0.4933, 0.3707

Monochromacy



Original Color

19.9987, 0.5300, 0.4174

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6141, 0.4051, 0.3948

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9987, 0.5300, 0.4174 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(188, 101, 0)` looks like.

```
.text, #text, p{  
    color:rgb(188, 101, 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(188, 101, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 101, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.9987, 0.5300, 0.4174 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(188, 101, 0) }
```

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

```
.border{ border-color:rgb(188, 101, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 101, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 101, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 101, 0);  
box-shadow:4px 4px 4px 4px rgb(188, 101,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9987, 0.5300, 0.4174 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 101, 0) }
```

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

```
.background{ background-color: rgb(188,  
101, 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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