

Converting Colors

$Y_{xy}(19.9484, 0.5258, 0.4192)$

Have a look what the booklet for
Yxy(19.9484, 0.5258, 0.4192)
contains.

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Color

Yxy(19.9484, 0.5258, 0.4192)

Conversions

Conversions Part 1

Format	Color
Hex	BA6603
RGB	186, 102, 3
RGB Percent	73%, 40%, 1%
CMY	0.2705, 0.6000, 0.9883
CMYK	0.00, 0.45, 0.98, 0.27
HSL	32°, 97%, 37%
HSV	32°, 98%, 73%
XYZ	25.0212, 19.9484, 2.6173
YIQ	115.8300, 81.8430, -12.9810

Conversions

Conversions Part 2

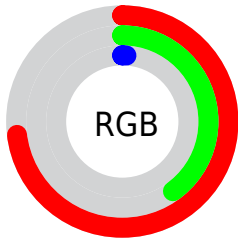
Format	Color
RYB	158, 186, 3
Decimal	12215811
CIELab	51.78, 28.30, 59.14
CIELCh	52, 65.562, 64.428
Yxy	19.9484, 0.5258, 0.4192
Android (android.graphics.Color)	4290405891 (0xFFBA6603)
YUV	115.8300, -55.6252, 61.5391
Hunter-Lab	44.6636, 21.8367, 27.7902

Details

The Yxy color **19.9484, 0.5258, 0.4192** is a dark color, and the websafe version is hex **CC6600**. A complement of this color would be **10.3840, 0.1746, 0.1473**, and the grayscale version is **17.5649, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4493, 0.4862, 0.4124**, and **7.0740, 0.5563, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **19.6756, 0.5288, 0.4183**, and if you desaturate by 10%, it is **21.7651, 0.5068, 0.4238**.

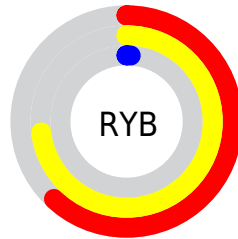
Distribution



Red (73%)

Green (40%)

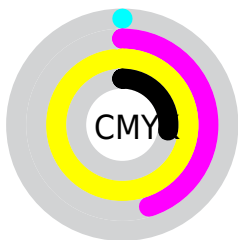
Blue (1%)



Red (62%)

Yellow (73%)

Blue (1%)

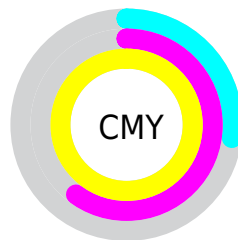


Cyan (0%)

Magenta (45%)

Yellow (98%)

Black (27%)



Cyan (27%)


Magenta (60%)


Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.9484, 0.5258, 0.4192 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 19.9484, 0.5258, 0.4192 by changing the saturation by 10% instead.


 19.9484, 0.5258,
0.4192


 19.9484, 0.5258,
0.4192


251.6356, 0.4138,
0.3852


 12.3575, 0.5502,
0.4192


 43.3307, 0.4864,
0.4121


 6.9877, 0.5831,
0.4169


 59.8908, 0.4709,
0.4077

 3.4544, 0.6059,
0.3941

 80.2096, 0.4577,
0.4032

 1.3733, 0.6424,
0.3576

 104.6713, 0.4463,
0.3990


 0.1969, 0.8169,
0.1831


 133.6604, 0.4365,
0.3951


 0.0000, 0.0000,
0.0000


 167.5612, 0.4279,


0.3915

 206.7581, 0.4204,
0.3882

 19.9484, 0.5258,
0.4192

 19.9484, 0.5258,
0.4192


 19.6756, 0.5288,
0.4183

 21.7651, 0.5068,
0.4238

 23.8070, 0.4845,
0.4233

 26.0926, 0.4598,
0.4179

 28.6343, 0.4342,
0.4086

 31.4429, 0.4091,
0.3964

■ 34.5287, 0.3852,
0.3827

■ 37.9010, 0.3633,
0.3684

■ 41.5686, 0.3435,
0.3540

■ 45.5400, 0.3259,
0.3401

Harmonies

Analogous

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



19.9484, 0.5402, 0.3415



19.9484, 0.5258, 0.4192



19.9484, 0.4521, 0.5012

Triad

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



19.9484, 0.5258, 0.4192



19.9484, 0.1658, 0.3730



19.9484, 0.2358, 0.1734

Complementary

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



19.9484, 0.5258, 0.4192



10.3840, 0.1746, 0.1473

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.



19.9484, 0.1633, 0.1632



19.9484, 0.5258, 0.4192



19.9484, 0.1285, 0.2498

Square

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



19.9484, 0.5258, 0.4192



19.9484, 0.2465, 0.5112



19.9484, 0.1292, 0.1845



19.9484, 0.3487, 0.2110

Rectangle

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



19.9484, 0.5258, 0.4192



19.9484, 0.3863, 0.5443



19.9484, 0.1292, 0.1845



19.9484, 0.2069, 0.1668

Sweetspot

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



19.9495, 0.5258, 0.4192



67.3528, 0.3678, 0.3714



11.2177, 0.5060, 0.2573



14.2581, 0.3770, 0.3775



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.



19.9495, 0.5258, 0.4192



35.1641, 0.5310, 0.4166



44.8264, 0.4133, 0.5092



9.7953, 0.3275, 0.3414



13.3855, 0.5270, 0.4198



0.5941, 0.4922, 0.4474

Inverse Universe

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



10.3840, 0.1746, 0.1473



17.8412, 0.1726, 0.1415



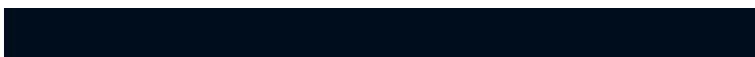
3.6695, 0.1518, 0.0618



9.3806, 0.2985, 0.3163



6.9439, 0.1741, 0.1467



0.3688, 0.1880, 0.1966

Previews

White Background



This preview shows how the Yxy color 19.9484, 0.5258, 0.4192 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 19.9484, 0.5258, 0.4192 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 19.9484, 0.5258, 0.4192

Background



This preview shows how black text looks on a background with the Yxy color 19.9484, 0.5258, 0.4192.



This preview shows how white text looks on a background with the Yxy color 19.9484, 0.5258, 0.4192.

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

19.9484, 0.5258, 0.4192

Protanopia

20.0252, 0.4364, 0.4826

Deuteranopia

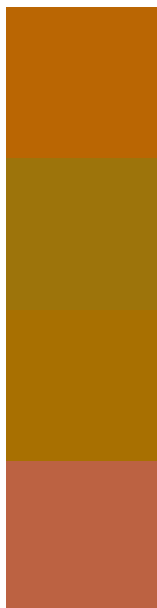
20.1250, 0.4705, 0.4646



Tritanopia

19.9625, 0.4402, 0.3198

Trichromacy



Original Color

19.9484, 0.5258, 0.4192

Protanomaly

19.6830, 0.4706, 0.4583

Deuteranomaly

19.9154, 0.4923, 0.4467

Tritanomaly

19.8201, 0.4875, 0.3704

Monochromacy



Original Color

19.9484, 0.5258, 0.4192

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.5396, 0.4024, 0.3935

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9484, 0.5258, 0.4192 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(186, 102, 3)` looks like.

```
.text, #text, p{  
    color:rgb(186, 102, 3)  
}
```

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(186, 102, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 102, 3) }
```

Border

The CSS property to change the border of an element to Yxy 19.9484, 0.5258, 0.4192 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(186, 102, 3) }
```

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

```
.border{ border-color:rgb(186, 102, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 102, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 102, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 102, 3);  
box-shadow:4px 4px 4px 4px rgb(186, 102,  
3) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9484, 0.5258, 0.4192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 102, 3) }
```

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

```
.background{ background-color: rgb(186,  
102, 3) }
```

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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