

Converting Colors

$Yxy(19.5849, 0.5143, 0.4236)$

Have a look what the booklet for
Yxy(19.5849, 0.5143, 0.4236)
contains.

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Color

Yxy(19.6305, 0.5143, 0.4235)

Conversions

Conversions Part 1

Format	Color
Hex	B4680C
RGB	180, 104, 12
RGB Percent	71%, 41%, 5%
CMY	0.2941, 0.5921, 0.9526
CMYK	0.00, 0.42, 0.93, 0.29
HSL	33°, 87%, 38%
HSV	33°, 93%, 71%
XYZ	23.8394, 19.6305, 2.8832
YIQ	116.2360, 74.8280, -12.5000

Conversions

Conversions Part 2

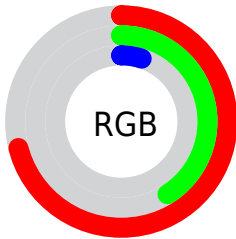
Format	Color
R_{YB}	151, 180, 12
Decimal	11823116
CIE Lab	51.42, 24.73, 56.62
CIE LCh	51, 61.790, 66.405
Yxy	19.6305, 0.5143, 0.4235
Android (android.graphics.Color)	4290013196 (0xFFB4680C)
YUV	116.2360, -51.3883, 55.9210
Hunter-Lab	44.3063, 18.5072, 27.1562

Details

The Yxy color **19.6305, 0.5143, 0.4235** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **10.3673, 0.1779, 0.1552**, and the grayscale version is **17.6888, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9074, 0.4759, 0.4147**, and **6.8933, 0.5460, 0.4047** is the 20% darker color. If you saturate the color by 10%, you get **18.5386, 0.5266, 0.4201**, and if you desaturate by 10%, it is **21.4192, 0.4940, 0.4254**.

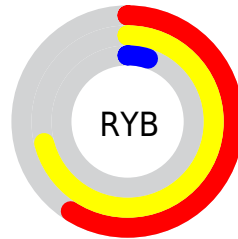
Distribution



Red (71%)

Green (41%)

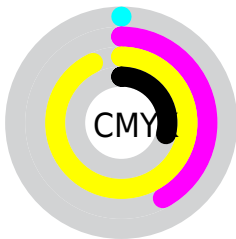
Blue (5%)



Red (59%)

Yellow (71%)

Blue (5%)

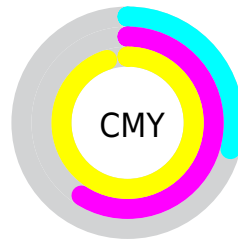


Cyan (0%)

Magenta (42%)

Yellow (93%)

Black (29%)



Cyan (29%)


Magenta (59%)


Yellow (95%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.6305, 0.5143, 0.4235 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 19.6305, 0.5143, 0.4235 by changing the saturation by 10% instead.


 19.6305, 0.5143,
0.4235


 19.6305, 0.5143,
0.4235


249.9077, 0.4073,
0.3849


 12.1267, 0.5382,
0.4255


 42.7968, 0.4762,
0.4141


 6.8301, 0.5725,
0.4275


 59.2282, 0.4614,
0.4089

 3.3560, 0.5932,
0.4068

 79.4042, 0.4488,
0.4040

 1.3203, 0.6270,
0.3730

 103.7092, 0.4381,
0.3994


 0.1569, 0.8276,
0.1724


 132.5277, 0.4288,
0.3953


 0.0000, 0.0000,
0.0000


 166.2440, 0.4207,


0.3915


 205.2425, 0.4136,
0.3880

 19.6305, 0.5143,
0.4235


 19.6305, 0.5143,
0.4235

 18.5386, 0.5266,
0.4201

 21.4192, 0.4940,
0.4254

 23.4220, 0.4706,
0.4222

 25.6522, 0.4456,
0.4144

 28.1200, 0.4204,
0.4033

 30.8350, 0.3961,
0.3901

■ 33.8060, 0.3734,
0.3758

■ 37.0412, 0.3527,
0.3613

■ 40.5485, 0.3342,
0.3470

■ 44.3350, 0.3177,
0.3333

Harmonies

Analogous

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



19.6305, 0.5309, 0.3477



19.6305, 0.5143, 0.4235



19.6305, 0.4425, 0.5003

Triad

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



19.6305, 0.5143, 0.4235



19.6305, 0.1689, 0.3622



19.6305, 0.2456, 0.1809

Complementary

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



19.6305, 0.5143, 0.4235



10.3673, 0.1779, 0.1552

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.



19.6305, 0.1727, 0.1693



19.6305, 0.5143, 0.4235



19.6305, 0.1346, 0.2488

Square

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



19.6305, 0.5143, 0.4235



19.6305, 0.2447, 0.4933



19.6305, 0.1371, 0.1884



19.6305, 0.3553, 0.2191

Rectangle

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



19.6305, 0.5143, 0.4235



19.6305, 0.3789, 0.5370



19.6305, 0.1371, 0.1884



19.6305, 0.2168, 0.1740

Sweetspot

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



19.6315, 0.5143, 0.4235



64.0560, 0.3632, 0.3688



10.7141, 0.4924, 0.2534



13.3156, 0.3722, 0.3750



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



19.6315, 0.5143, 0.4235



33.1429, 0.5288, 0.4183



41.7135, 0.4125, 0.5071



9.2505, 0.3274, 0.3415



13.0748, 0.5249, 0.4214



0.5261, 0.4881, 0.4506

Inverse Universe

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



10.3673, 0.1779, 0.1552



16.3198, 0.1722, 0.1397



3.6860, 0.1546, 0.0661



8.8425, 0.2985, 0.3162



6.5865, 0.1736, 0.1448



0.3243, 0.1888, 0.1995

Previews

White Background



This preview shows how the Yxy color 19.6305, 0.5143, 0.4235 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 19.6305, 0.5143, 0.4235 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 19.6305, 0.5143, 0.4235

Background



This preview shows how black text looks on a background with the Yxy color 19.6305, 0.5143, 0.4235.



This preview shows how white text looks on a background with the Yxy color 19.6305, 0.5143, 0.4235.

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

19.6305, 0.5143, 0.4235

Protanopia

19.7019, 0.4350, 0.4802

Deuteranopia

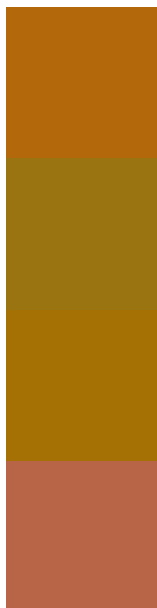
19.7905, 0.4709, 0.4643



Tritanopia

19.7392, 0.4295, 0.3195

Trichromacy



Original Color

19.6305, 0.5143, 0.4235

Protanomaly

19.3982, 0.4653, 0.4590

Deuteranomaly

19.5964, 0.4881, 0.4484

Tritanomaly

19.6366, 0.4734, 0.3685

Monochromacy



Original Color

19.6305, 0.5143, 0.4235

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.6274, 0.3949, 0.3907

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6305, 0.5143, 0.4235 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(180, 104, 12)` looks like.

```
.text, #text, p{  
    color:rgb(180, 104, 12)  
}
```

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(180, 104, 12) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 104, 12) }
```

Border

The CSS property to change the border of an element to Yxy 19.6305, 0.5143, 0.4235 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(180, 104, 12) }
```

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

```
.border{ border-color:rgb(180, 104, 12) }
```

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

Here you see how a box with a 4 pixel rgb(180, 104, 12) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 104, 12); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 104, 12);  
box-shadow:4px 4px 4px 4px rgb(180, 104,  
12) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6305, 0.5143, 0.4235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 104, 12) }
```

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

```
.background{ background-color: rgb(180,  
104, 12) }
```

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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