

Converting Colors

$Y_{xy}(18.7486, 0.5321, 0.3859)$

Have a look what the booklet for
Yxy(18.7486, 0.5321, 0.3859)
contains.

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Color

$Y_{xy}(18.6524, 0.5318, 0.3856)$

Conversions

Conversions Part 1

Format	Color
Hex	C05A25
RGB	192, 90, 37
RGB Percent	75%, 35%, 15%
CMY	0.2471, 0.6470, 0.8549
CMYK	0.00, 0.53, 0.81, 0.25
HSL	21°, 68%, 45%
HSV	21°, 81%, 75%
XYZ	25.7244, 18.6524, 3.9956
YIQ	114.4560, 77.8050, 5.1410

Conversions

Conversions Part 2

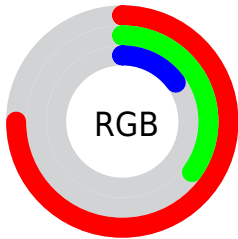
Format	Color
RYB	192, 118, 37
Decimal	12605989
CIELab	50.28, 37.74, 47.81
CIElCh	50, 60.913, 51.712
Yxy	18.6524, 0.5318, 0.3856
Android (android.graphics.Color)	4290796069 (0xFFC05A25)
YUV	114.4560, -38.1858, 68.0061
Hunter-Lab	43.1884, 30.7407, 24.7467

Details

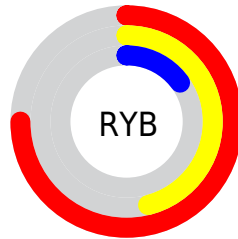
The Yxy color **18.6524, 0.5318, 0.3856** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **22.6540, 0.2045, 0.2376**, and the grayscale version is **17.0735, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.0887, 0.4867, 0.3829**, and **6.4231, 0.5906, 0.3692** is the 20% darker color. If you saturate the color by 10%, you get **16.6095, 0.5623, 0.3809**, and if you desaturate by 10%, it is **21.1229, 0.4976, 0.3855**.

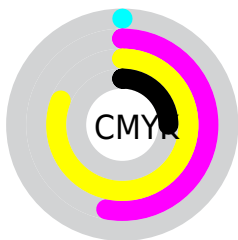
Distribution



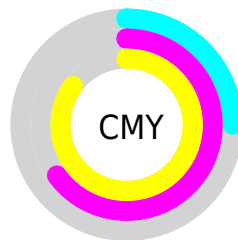
- Red (75%)
- Green (35%)
- Blue (15%)



- Red (75%)
- Yellow (46%)
- Blue (15%)



- Cyan (0%)
- Magenta (53%)
- Yellow (81%)
- Black (25%)





- Cyan (25%)
- Magenta (65%)
- Yellow (85%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 18.6524, 0.5318, 0.3856 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 18.6524, 0.5318, 0.3856 by changing the saturation by 10% instead.


 18.6524, 0.5318,
0.3856


 18.6524, 0.5318,
0.3856


244.5230, 0.4107,
0.3669


 11.4194, 0.5622,
0.3833


 41.1459, 0.4866,
0.3831


 6.3497, 0.6039,
0.3778


 57.1752, 0.4698,
0.3807


 3.0588, 0.6452,
0.3548

 76.9053, 0.4557,
0.3781

 1.1625, 0.6925,
0.3075

 100.7208, 0.4438,
0.3756

 0.0308, 0.9688,
0.0312

 129.0058, 0.4337,
0.3732

 0.0000, 0.0000,
0.0000

 162.1450, 0.4250,

0.3709

200.5226, 0.4174,
0.3688

18.6524, 0.5318,
0.3856

18.6524, 0.5318,
0.3856

16.6095, 0.5623,
0.3809

21.1229, 0.4976,
0.3855

15.0618, 0.5859,
0.3730

24.0436, 0.4628,
0.3813

27.4388, 0.4296,
0.3744

31.3299, 0.3995,
0.3658

35.7372, 0.3730,
0.3565

■ 40.6792, 0.3500,
0.3472

■ 46.1740, 0.3305,
0.3381

■ 52.2385, 0.3138,
0.3296

■ 58.8888, 0.2997,
0.3217

Harmonies

Analogous

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



18.6524, 0.5111, 0.3127



18.6524, 0.5318, 0.3856



18.6524, 0.4828, 0.4639

Triad

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



18.6524, 0.5318, 0.3856



18.6524, 0.2009, 0.4304



18.6524, 0.2046, 0.1714

Complementary

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



18.6524, 0.5318, 0.3856



22.6540, 0.2045, 0.2376

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.



18.6524, 0.1506, 0.1740



18.6524, 0.5318, 0.3856



18.6524, 0.1459, 0.2978

Square

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



18.6524, 0.5318, 0.3856



18.6524, 0.2925, 0.5331



18.6524, 0.1314, 0.2115



18.6524, 0.2979, 0.1970

Rectangle

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



18.6524, 0.5318, 0.3856



18.6524, 0.4266, 0.5125



18.6524, 0.1314, 0.2115



18.6524, 0.1824, 0.1690

Sweetspot

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



18.6534, 0.5318, 0.3856



70.3310, 0.3580, 0.3506



14.4305, 0.4000, 0.2126



14.4014, 0.3663, 0.3539



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



18.6534, 0.5318, 0.3856



27.7051, 0.5818, 0.3738



38.6644, 0.4372, 0.4731



10.6286, 0.3281, 0.3369



10.2689, 0.5836, 0.3748



0.5730, 0.5399, 0.4095

Inverse Universe

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



22.6540, 0.2045, 0.2376



34.5738, 0.1933, 0.2146



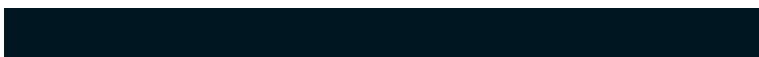
7.7356, 0.1709, 0.1097



10.8294, 0.2984, 0.3209



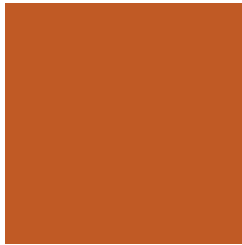
12.8061, 0.1929, 0.2143



0.6772, 0.2008, 0.2429

Previews

White Background



This preview shows how the Yxy color 18.6524, 0.5318, 0.3856 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 18.6524, 0.5318, 0.3856 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 18.6524, 0.5318, 0.3856

Background



This preview shows how black text looks on a background with the Yxy color 18.6524, 0.5318, 0.3856.



This preview shows how white text looks on a background with the Yxy color 18.6524, 0.5318, 0.3856.

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

18.6524, 0.5318, 0.3856

Protanopia

18.6907, 0.4161, 0.4569

Deuteranopia

18.6978, 0.4587, 0.4517



Tritanopia

18.7045, 0.4723, 0.3231

Trichromacy



Original Color

18.6524, 0.5318, 0.3856

Protanomaly

18.0730, 0.4605, 0.4289

Deuteranomaly

18.3091, 0.4883, 0.4252

Tritanomaly

18.6088, 0.4979, 0.3491

Monochromacy



Original Color

18.6524, 0.5318, 0.3856

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5258, 0.3934, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.6524, 0.5318, 0.3856 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(192, 90, 37)` looks like.

```
.text, #text, p{  
    color:rgb(192, 90, 37)  
}
```

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(192, 90, 37) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 90, 37) }
```

Border

The CSS property to change the border of an element to Yxy 18.6524, 0.5318, 0.3856 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(192, 90, 37) }
```

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

```
.border{ border-color:rgb(192, 90, 37) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 90, 37)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 90, 37); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 90, 37);  
box-shadow:4px 4px 4px 4px rgb(192, 90,  
37) }
```


Background

The CSS property to change the background color of an element to Yxy 18.6524, 0.5318, 0.3856 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 90, 37) }
```

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

```
.background{ background-color: rgb(192, 90,  
37) }
```

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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