

Converting Colors

$Y_{xy}(19.6539, 0.5630, 0.3769)$

Have a look what the booklet for
Yxy(19.6539, 0.5630, 0.3769)
contains.

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Color

$\text{Yxy}(19.6624, 0.5624, 0.3778)$

Conversions

Conversions Part 1

Format	Color
Hex	D05318
RGB	208, 83, 24
RGB Percent	82%, 33%, 9%
CMY	0.1843, 0.6745, 0.9062
CMYK	0.00, 0.60, 0.88, 0.18
HSL	19°, 79%, 45%
HSV	19°, 88%, 82%
XYZ	29.2698, 19.6624, 3.1123
YIQ	113.6490, 93.4390, 8.1510

Conversions

Conversions Part 2

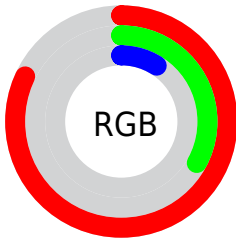
Format	Color
R_{YB}	208, 111, 24
Decimal	13652760
CIE _{Lab}	51.45, 46.90, 55.15
CIE _{LCh}	51, 72.395, 49.621
Yxy	19.6624, 0.5624, 0.3778
Android (android.graphics.Color)	4291842840 (0xFFD05318)
YUV	113.6490, -44.1970, 82.7458
Hunter-Lab	44.3423, 40.2266, 26.8782

Details

The Yxy color **19.6624, 0.5624, 0.3778** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **26.2133, 0.2004, 0.2335**, and the grayscale version is **16.8293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.3763, 0.5019, 0.3851**, and **6.9415, 0.6164, 0.3487** is the 20% darker color. If you saturate the color by 10%, you get **17.6590, 0.5886, 0.3693**, and if you desaturate by 10%, it is **22.1712, 0.5300, 0.3819**.

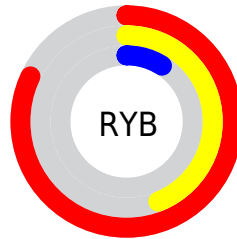
Distribution



Red (82%)

Green (33%)

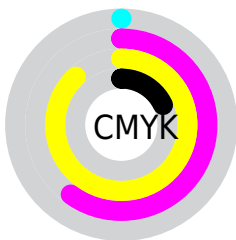
Blue (9%)



Red (82%)

Yellow (44%)

Blue (9%)

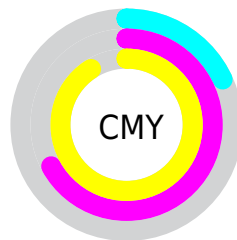


Cyan (0%)

Magenta (60%)

Yellow (88%)

Black (18%)



Cyan (18%)

Magenta (67%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.6624, 0.5624, 0.3778 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 19.6624, 0.5624, 0.3778 by changing the saturation by 10% instead.


 19.6624, 0.5624,
0.3778


 19.6624, 0.5624,
0.3778


250.0816, 0.4282,
0.3687


 12.1499, 0.5936,
0.3712


 42.8504, 0.5140,
0.3804


 6.8458, 0.6384,
0.3616


 59.2948, 0.4954,
0.3794


 3.3659, 0.6714,
0.3286

 79.4851, 0.4796,
0.3778

 1.3256, 0.7213,
0.2787

 103.8059, 0.4662,
0.3760

 0.1609, 0.8959,
0.1041

 132.6416, 0.4547,
0.3741


 0.0000, 1.0000,
0.0000

 166.3765, 0.4447,

 0.0000, 0.0000,


0.3722


0.0000

 205.3950, 0.4359,
0.3704


 19.6624, 0.5624,
0.3778

 19.6624, 0.5624,
0.3778


 17.6590, 0.5886,
0.3693


 22.1712, 0.5300,
0.3819

 17.3966, 0.5923,
0.3679

 25.2225, 0.4943,
0.3813

 28.8504, 0.4585,
0.3770

 33.0850, 0.4249,
0.3701

 37.9541, 0.3947,
0.3618

■ 43.4834, 0.3684,
0.3530

■ 49.6974, 0.3458,
0.3442

■ 56.6191, 0.3266,
0.3358

■ 64.2704, 0.3105,
0.3279

Harmonies

Analogous

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



19.6624, 0.5375, 0.3006



19.6624, 0.5624, 0.3778



19.6624, 0.5048, 0.4656

Triad

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



19.6624, 0.5624, 0.3778



19.6624, 0.1885, 0.4606



19.6624, 0.1845, 0.1525

Complementary

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



19.6624, 0.5624, 0.3778



26.2133, 0.2004, 0.2335

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.



19.6624, 0.1296, 0.1565



19.6624, 0.5624, 0.3778



19.6624, 0.1272, 0.2985

Square

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



19.6624, 0.5624, 0.3778



19.6624, 0.2911, 0.5757



19.6624, 0.1111, 0.1981



19.6624, 0.2853, 0.1783

Rectangle

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



19.6624, 0.5624, 0.3778



19.6624, 0.4405, 0.5265



19.6624, 0.1111, 0.1981



19.6624, 0.1615, 0.1504

Sweetspot

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



19.6635, 0.5624, 0.3778



70.0459, 0.3655, 0.3520



16.2523, 0.4066, 0.2077



14.3092, 0.3740, 0.3550



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



19.6635, 0.5624, 0.3778



27.2729, 0.5943, 0.3663



43.8446, 0.4479, 0.4748



12.4189, 0.3283, 0.3365



10.9985, 0.5897, 0.3699



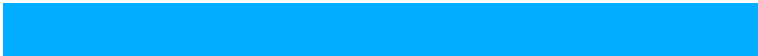
0.7576, 0.5535, 0.3987

Inverse Universe

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



26.2133, 0.2004, 0.2335



37.1623, 0.1940, 0.2183



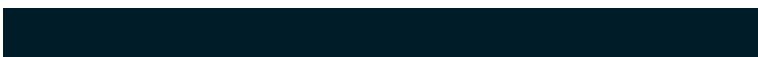
7.7400, 0.1627, 0.0950



12.7405, 0.2983, 0.3214



14.9351, 0.1948, 0.2214



0.9752, 0.2010, 0.2435

Previews

White Background



This preview shows how the Yxy color 19.6624, 0.5624, 0.3778 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 19.6624, 0.5624, 0.3778 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 19.6624, 0.5624, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 19.6624, 0.5624, 0.3778.



This preview shows how white text looks on a background with the Yxy color 19.6624, 0.5624, 0.3778.

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

19.6624, 0.5624, 0.3778

Protanopia

19.9341, 0.4247, 0.4710

Deuteranopia

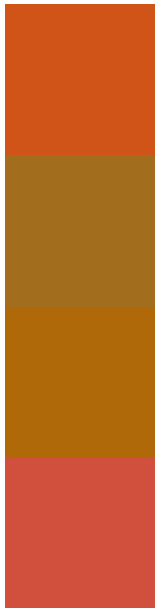
19.7905, 0.4709, 0.4643



Tritanopia

19.7596, 0.5074, 0.3252

Trichromacy



Original Color

19.6624, 0.5624, 0.3778

Protanomaly

18.8175, 0.4796, 0.4337

Deuteranomaly

19.2368, 0.5086, 0.4295

Tritanomaly

19.6296, 0.5334, 0.3489

Monochromacy



Original Color

19.6624, 0.5624, 0.3778

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5905, 0.4108, 0.3675

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.6624, 0.5624, 0.3778 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(208, 83, 24)` looks like.

```
.text, #text, p{  
    color:rgb(208, 83, 24)  
}
```

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(208, 83, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 83, 24) }
```

Border

The CSS property to change the border of an element to Yxy 19.6624, 0.5624, 0.3778 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(208, 83, 24) }
```

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

```
.border{ border-color:rgb(208, 83, 24) }
```

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

Here you see how a box with a 4 pixel rgb(208, 83, 24) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 83, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 83, 24);  
box-shadow:4px 4px 4px 4px rgb(208, 83,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 19.6624, 0.5624, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 83, 24) }
```

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

```
.background{ background-color: rgb(208, 83,  
24) }
```

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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