

Converting Colors

$Y_{xy}(19.9403, 0.5607, 0.3584)$

Have a look what the booklet for
Yxy(19.9403, 0.5607, 0.3584)
contains.

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Color

Yxy(19.9292, 0.5603, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	D74D2B
RGB	215, 77, 43
RGB Percent	84%, 30%, 17%
CMY	0.1569, 0.6980, 0.8316
CMYK	0.00, 0.64, 0.80, 0.16
HSL	12°, 68%, 51%
HSV	12°, 80%, 84%
XYZ	31.1127, 19.9292, 4.4867
YIQ	114.3860, 93.1620, 18.6820

Conversions

Conversions Part 2

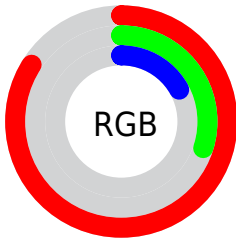
Format	Color
R_{YB}	215, 85, 43
Decimal	14109995
CIE _{Lab}	51.76, 52.53, 47.74
CIE _{LCh}	52, 70.987, 42.264
Yxy	19.9292, 0.5603, 0.3589
Android (android.graphics.Color)	4292300075 (0xFFD74D2B)
YUV	114.3860, -35.1933, 88.2385
Hunter-Lab	44.6421, 46.2791, 25.2906

Details

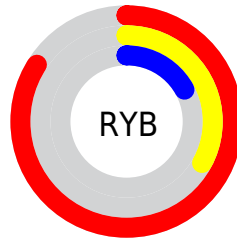
The Yxy color **19.9292, 0.5603, 0.3589** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **38.4348, 0.2152, 0.2778**, and the grayscale version is **17.0363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.5179, 0.4916, 0.3685**, and **6.9632, 0.6322, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **17.7103, 0.5946, 0.3538**, and if you desaturate by 10%, it is **22.8729, 0.5199, 0.3605**.

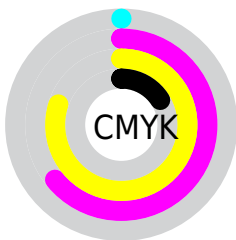
Distribution



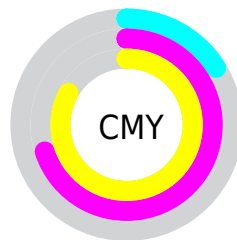
- Red (84%)
- Green (30%)
- Blue (17%)



- Red (84%)
- Yellow (33%)
- Blue (17%)



- Cyan (0%)
- Magenta (64%)
- Yellow (80%)
- Black (16%)




- Cyan (16%)
- Magenta (70%)
- Yellow (83%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.9292, 0.5603, 0.3589 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 19.9292, 0.5603, 0.3589 by changing the saturation by 10% instead.


 19.9292, 0.5603,
0.3589


 19.9292, 0.5603,
0.3589


251.5316, 0.4246,
0.3573


 12.3436, 0.5940,
0.3519


 43.2985, 0.5100,
0.3632


 6.9781, 0.6372,
0.3390


 59.8509, 0.4911,
0.3632


 3.4484, 0.6875,
0.3125

 80.1610, 0.4754,
0.3626

 1.3701, 0.7391,
0.2609

 104.6133, 0.4620,
0.3617

 0.1945, 0.8937,
0.1063

 133.5921, 0.4506,
0.3607

 0.0000, 1.0000,
0.0000

 167.4818, 0.4407,

 0.0000, 0.0000,

0.3596

0.0000

206.6669, 0.4321,
0.3584

■ 19.9292, 0.5603,
0.3589

■ 19.9292, 0.5603,
0.3589

■ 17.7103, 0.5946,
0.3538

■ 22.8729, 0.5199,
0.3605


■ 16.1437, 0.6194,
0.3464


■ 26.5955, 0.4783,
0.3590


■ 31.1496, 0.4393,
0.3553

■ 36.5823, 0.4047,
0.3503

■ 42.9369, 0.3751,
0.3449

 50.2539, 0.3503,
0.3393

 58.5713, 0.3297,
0.3340

 67.9251, 0.3128,
0.3290

 78.3495, 0.2987,
0.3244

Harmonies

Analogous

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



19.9292, 0.5116, 0.2840



19.9292, 0.5603, 0.3589



19.9292, 0.5213, 0.4427

Triad

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



19.9292, 0.5603, 0.3589



19.9292, 0.2135, 0.4949



19.9292, 0.1697, 0.1535

Complementary

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



19.9292, 0.5603, 0.3589



38.4348, 0.2152, 0.2778

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.



19.9292, 0.1249, 0.1656



19.9292, 0.5603, 0.3589



19.9292, 0.1410, 0.3346

Square

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



19.9292, 0.5603, 0.3589



19.9292, 0.3202, 0.5754



19.9292, 0.1148, 0.2189



19.9292, 0.2575, 0.1720

Rectangle

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



19.9292, 0.5603, 0.3589



19.9292, 0.4641, 0.5027



19.9292, 0.1148, 0.2189



19.9292, 0.1505, 0.1539

Sweetspot

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



19.9304, 0.5603, 0.3589



69.2501, 0.3602, 0.3416



19.6078, 0.3606, 0.1886



14.0045, 0.3693, 0.3436



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.



19.9304, 0.5603, 0.3589



24.3775, 0.6124, 0.3484



39.9401, 0.4626, 0.4494



12.8150, 0.3286, 0.3337



9.7757, 0.6172, 0.3482



0.7076, 0.5842, 0.3743

Inverse Universe

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



38.4348, 0.2152, 0.2778



51.6793, 0.2076, 0.2657



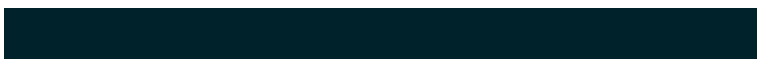
14.0467, 0.1799, 0.1438



13.6705, 0.2983, 0.3243



20.8302, 0.2068, 0.2646



1.3653, 0.2103, 0.2769

Previews

White Background



This preview shows how the Yxy color 19.9292, 0.5603, 0.3589 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 19.9292, 0.5603, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

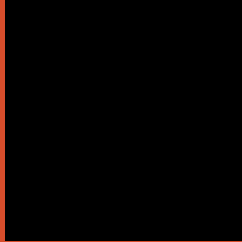
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 19.9292, 0.5603, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 19.9292, 0.5603, 0.3589.



This preview shows how white text looks on a background with the Yxy color 19.9292, 0.5603, 0.3589.

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

19.9292, 0.5603, 0.3589

Protanopia

20.1041, 0.4075, 0.4452

Deuteranopia

20.1237, 0.4576, 0.4506



Tritanopia

19.8998, 0.5243, 0.3256

Trichromacy



Original Color

19.9292, 0.5603, 0.3589

Protanomaly

18.8614, 0.4684, 0.4093

Deuteranomaly

19.1690, 0.5006, 0.4121

Tritanomaly

19.8781, 0.5398, 0.3383

Monochromacy



Original Color

19.9292, 0.5603, 0.3589

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

16.5913, 0.4064, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.9292, 0.5603, 0.3589 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(215, 77, 43)` looks like.

```
.text, #text, p{  
    color:rgb(215, 77, 43)  
}
```

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(215, 77, 43) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 77, 43) }
```

Border

The CSS property to change the border of an element to Yxy 19.9292, 0.5603, 0.3589 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(215, 77, 43) }
```

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

```
.border{ border-color:rgb(215, 77, 43) }
```

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

Here you see how a box with a 4 pixel rgb(215, 77, 43) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 77, 43); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 77, 43);  
box-shadow:4px 4px 4px 4px rgb(215, 77,  
43) }
```


Background

The CSS property to change the background color of an element to Yxy 19.9292, 0.5603, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 77, 43) }
```

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

```
.background{ background-color: rgb(215, 77,  
43) }
```

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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