

Converting Colors

$Y_{xy}(20.9079, 0.5490, 0.3613)$

Have a look what the booklet for
Yxy(20.9079, 0.5490, 0.3613)
contains.

Yxy(20.8470, 0.5490, 0.3616)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.8470, 0.5490, 0.3616)

Conversions

Conversions Part 1

Format	Color
Hex	D75330
RGB	215, 83, 48
RGB Percent	84%, 33%, 19%
CMY	0.1569, 0.6745, 0.8117
CMYK	0.00, 0.61, 0.78, 0.16
HSL	13°, 68%, 52%
HSV	13°, 78%, 84%
XYZ	31.6510, 20.8470, 5.1541
YIQ	118.4780, 89.9070, 17.0990

Conversions

Conversions Part 2

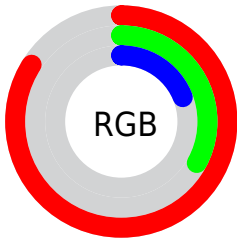
Format	Color
R_{YB}	215, 92, 48
Decimal	14111536
CIE _{Lab}	52.78, 50.09, 46.24
CIE _{LCh}	53, 68.173, 42.710
Yxy	20.8470, 0.5490, 0.3616
Android (android.graphics.Color)	4292301616 (0xFFD75330)
YUV	118.4780, -34.7457, 84.6498
Hunter-Lab	45.6585, 43.8358, 25.2681

Details

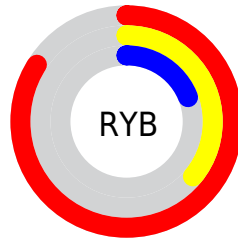
The Yxy color **20.8470, 0.5490, 0.3616** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **38.1811, 0.2159, 0.2765**, and the grayscale version is **18.3667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9958, 0.4828, 0.3692**, and **7.4676, 0.6219, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **18.4218, 0.5850, 0.3573**, and if you desaturate by 10%, it is **23.9979, 0.5083, 0.3623**.

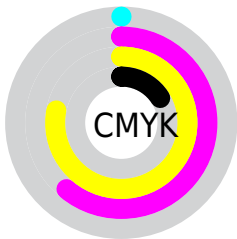
Distribution



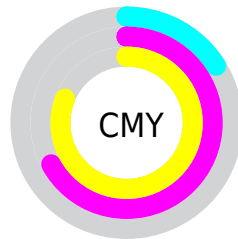
- Red (84%)
- Green (33%)
- Blue (19%)



- Red (84%)
- Yellow (36%)
- Blue (19%)



- Cyan (0%)
- Magenta (61%)
- Yellow (78%)
- Black (16%)





- Cyan (16%)
- Magenta (67%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.8470, 0.5490, 0.3616 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 20.8470, 0.5490, 0.3616 by changing the saturation by 10% instead.


 20.8470, 0.5490,
0.3616


 20.8470, 0.5490,
0.3616


256.4643, 0.4196,
0.3572


 13.0122, 0.5815,
0.3561


 44.8328, 0.5008,
0.3643

 7.4370, 0.6220,
0.3447


 61.7525, 0.4829,
0.3639


 3.7368, 0.6760,
0.3240

 82.4694, 0.4679,
0.3630

 1.5275, 0.7245,
0.2755

 107.3678, 0.4552,
0.3619

 0.3079, 0.8475,
0.1525

 136.8321, 0.4443,
0.3607

 0.0000, 1.0000,
0.0000

 171.2466, 0.4349,

 0.0000, 0.0000,

0.3595

0.0000

210.9959, 0.4268,
0.3583

■ 20.8470, 0.5490,
0.3616

■ 20.8470, 0.5490,
0.3616

■ 18.4218, 0.5850,
0.3573

■ 23.9979, 0.5083,
0.3623

■ 16.6560, 0.6120,
0.3497


■ 27.9246, 0.4676,
0.3600

■ 16.3273, 0.6174,
0.3480


■ 32.6765, 0.4299,
0.3556


■ 38.2978, 0.3968,
0.3502

■ 44.8296, 0.3686,
0.3444

 52.3102, 0.3450,
0.3386

 60.7757, 0.3254,
0.3330

 70.2605, 0.3092,
0.3278

 80.7971, 0.2958,
0.3231

Harmonies

Analogous

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



20.8470, 0.5027, 0.2882



20.8470, 0.5490, 0.3616



20.8470, 0.5131, 0.4427

Triad

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



20.8470, 0.5490, 0.3616



20.8470, 0.2180, 0.4825



20.8470, 0.1766, 0.1602

Complementary

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



20.8470, 0.5490, 0.3616



38.1811, 0.2159, 0.2765

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.



20.8470, 0.1322, 0.1720



20.8470, 0.5490, 0.3616



20.8470, 0.1479, 0.3333

Square

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



20.8470, 0.5490, 0.3616



20.8470, 0.3208, 0.5614



20.8470, 0.1221, 0.2238



20.8470, 0.2621, 0.1785

Rectangle

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



20.8470, 0.5490, 0.3616



20.8470, 0.4590, 0.4990



20.8470, 0.1221, 0.2238



20.8470, 0.1576, 0.1605

Sweetspot

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



20.8482, 0.5490, 0.3616



70.6858, 0.3576, 0.3418



19.9232, 0.3628, 0.1928



14.2967, 0.3666, 0.3439



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.



20.8482, 0.5490, 0.3616



25.3823, 0.6030, 0.3528



41.5360, 0.4558, 0.4508



12.8383, 0.3286, 0.3340



9.8908, 0.6150, 0.3499



0.7184, 0.5815, 0.3765

Inverse Universe

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



38.1811, 0.2159, 0.2765



51.1569, 0.2075, 0.2641



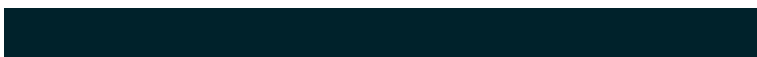
14.2917, 0.1818, 0.1454



13.6454, 0.2982, 0.3240



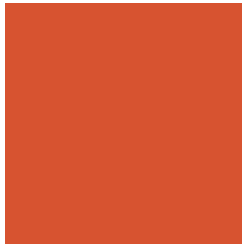
20.2764, 0.2057, 0.2606



1.3363, 0.2094, 0.2737

Previews

White Background



This preview shows how the Yxy color 20.8470, 0.5490, 0.3616 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 20.8470, 0.5490, 0.3616 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 20.8470, 0.5490, 0.3616

Background



This preview shows how black text looks on a background with the Yxy color 20.8470, 0.5490, 0.3616.



This preview shows how white text looks on a background with the Yxy color 20.8470, 0.5490, 0.3616.

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

20.8470, 0.5490, 0.3616

Protanopia

21.0911, 0.4026, 0.4411

Deuteranopia

20.9438, 0.4540, 0.4451



Tritanopia

20.8310, 0.5093, 0.3243

Trichromacy



Original Color

20.8470, 0.5490, 0.3616

Protanomaly

19.8699, 0.4595, 0.4088

Deuteranomaly

20.2663, 0.4917, 0.4106

Tritanomaly

20.7912, 0.5266, 0.3387

Monochromacy



Original Color

20.8470, 0.5490, 0.3616

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.6658, 0.3990, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.8470, 0.5490, 0.3616 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, 83, 48)` looks like.

```
.text, #text, p{  
    color:rgb(215, 83, 48)  
}
```

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, 83, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(215, 83, 48) }
```

Border

The CSS property to change the border of an element to Yxy 20.8470, 0.5490, 0.3616 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, 83, 48) }
```

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

```
.border{ border-color:rgb(215, 83, 48) }
```

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

Here you see how a box with a 4 pixel rgb(215, 83, 48) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(215, 83, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(215, 83, 48);  
box-shadow:4px 4px 4px 4px rgb(215, 83,  
48) }
```


Background

The CSS property to change the background color of an element to Yxy 20.8470, 0.5490, 0.3616 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(215, 83, 48) }
```

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

```
.background{ background-color: rgb(215, 83,  
48) }
```

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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