

Converting Colors

$Y_{xy}(20.4004, 0.5616, 0.3719)$

Have a look what the booklet for
Yxy(20.4004, 0.5616, 0.3719)
contains.

Yxy(20.4369, 0.5607, 0.3721)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.4369, 0.5607, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	D55320
RGB	213, 83, 32
RGB Percent	84%, 33%, 13%
CMY	0.1647, 0.6745, 0.8744
CMYK	0.00, 0.61, 0.85, 0.16
HSL	17°, 74%, 48%
HSV	17°, 85%, 84%
XYZ	30.7954, 20.4369, 3.6908
YIQ	116.0560, 93.8510, 11.6990

Conversions

Conversions Part 2

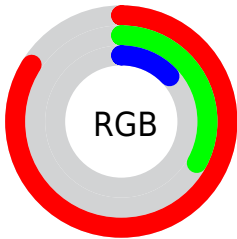
Format	Color
R _Y B	213, 103, 32
Decimal	13980448
CIE Lab	52.33, 48.90, 53.08
CIE LCh	52, 72.170, 47.347
Yxy	20.4369, 0.5607, 0.3721
Android (android.graphics.Color)	4292170528 (0xFFD55320)
YUV	116.0560, -41.4396, 85.0199
Hunter-Lab	45.2072, 42.4827, 26.8044

Details

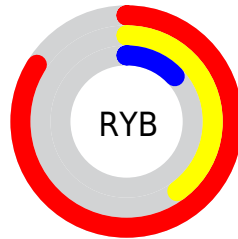
The Yxy color **20.4369, 0.5607, 0.3721** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **30.9655, 0.2058, 0.2496**, and the grayscale version is **17.5932, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.7605, 0.4953, 0.3808**, and **7.2228, 0.6200, 0.3459** is the 20% darker color. If you saturate the color by 10%, you get **18.2684, 0.5899, 0.3647**, and if you desaturate by 10%, it is **23.1993, 0.5252, 0.3750**.

Distribution



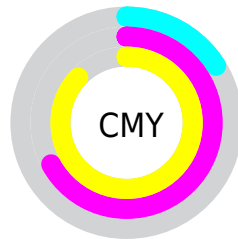
- Red (84%)
- Green (33%)
- Blue (13%)



- Red (84%)
- Yellow (40%)
- Blue (13%)



- Cyan (0%)
- Magenta (61%)
- Yellow (85%)
- Black (16%)





- Cyan (16%)
- Magenta (67%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.4369, 0.5607, 0.3721 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 20.4369, 0.5607, 0.3721 by changing the saturation by 10% instead.


 20.4369, 0.5607,
0.3721


 20.4369, 0.5607,
0.3721


254.2706, 0.4271,
0.3651


 12.7130, 0.5924,
0.3657


 44.1485, 0.5121,
0.3750


 7.2312, 0.6356,
0.3552


 60.9050, 0.4936,
0.3743


 3.6071, 0.6742,
0.3258

 81.4411, 0.4780,
0.3730

 1.4563, 0.7231,
0.2769

 106.1413, 0.4647,
0.3715

 0.2577, 0.8606,
0.1394

 135.3900, 0.4533,
0.3699

 0.0000, 1.0000,
0.0000

 169.5715, 0.4434,

 0.0000, 0.0000,

0.3682

0.0000

209.0702, 0.4347,
0.3666

20.4369, 0.5607,
0.3721

20.4369, 0.5607,
0.3721

18.2684, 0.5899,
0.3647

23.1993, 0.5252,
0.3750

17.3768, 0.6021,
0.3601

26.5956, 0.4872,
0.3737

30.6662, 0.4502,
0.3692

35.4465, 0.4162,
0.3627

40.9695, 0.3863,
0.3552

■ 47.2659, 0.3606,
0.3474

■ 54.3646, 0.3389,
0.3397

■ 62.2931, 0.3206,
0.3324

■ 71.0774, 0.3053,
0.3256

Harmonies

Analogous

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



20.4369, 0.5283, 0.2958



20.4369, 0.5607, 0.3721



20.4369, 0.5094, 0.4581

Triad

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



20.4369, 0.5607, 0.3721



20.4369, 0.1970, 0.4705



20.4369, 0.1805, 0.1537

Complementary

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



20.4369, 0.5607, 0.3721



30.9655, 0.2058, 0.2496

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.



20.4369, 0.1290, 0.1601



20.4369, 0.5607, 0.3721



20.4369, 0.1324, 0.3097

Square

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



20.4369, 0.5607, 0.3721



20.4369, 0.3007, 0.5742



20.4369, 0.1131, 0.2051



20.4369, 0.2767, 0.1771

Rectangle

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



20.4369, 0.5607, 0.3721



20.4369, 0.4477, 0.5182



20.4369, 0.1131, 0.2051



20.4369, 0.1588, 0.1523

Sweetspot

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



20.4381, 0.5607, 0.3721



70.7338, 0.3613, 0.3476



17.8889, 0.3871, 0.1994



14.3946, 0.3700, 0.3504



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.



20.4381, 0.5607, 0.3721



25.8710, 0.6038, 0.3587



43.2925, 0.4539, 0.4654



12.9846, 0.3284, 0.3356



10.7646, 0.5996, 0.3621



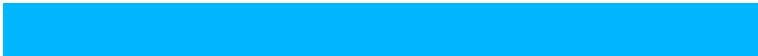
0.7892, 0.5651, 0.3895

Inverse Universe

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



30.9655, 0.2058, 0.2496



41.1627, 0.1980, 0.2327



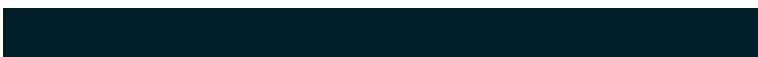
10.0448, 0.1690, 0.1126



13.4891, 0.2982, 0.3223



17.0343, 0.1987, 0.2353



1.1644, 0.2037, 0.2534

Previews

White Background



This preview shows how the Yxy color 20.4369, 0.5607, 0.3721 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 20.4369, 0.5607, 0.3721 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 20.4369, 0.5607, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 20.4369, 0.5607, 0.3721.



This preview shows how white text looks on a background with the Yxy color 20.4369, 0.5607, 0.3721.

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

20.4369, 0.5607, 0.3721

Protanopia

20.6716, 0.4189, 0.4627

Deuteranopia

20.5936, 0.4679, 0.4596



Tritanopia

20.5204, 0.5107, 0.3243

Trichromacy



Original Color

20.4369, 0.5607, 0.3721

Protanomaly

19.5138, 0.4764, 0.4249

Deuteranomaly

19.9423, 0.5072, 0.4237

Tritanomaly

20.4036, 0.5338, 0.3455

Monochromacy



Original Color

20.4369, 0.5607, 0.3721

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.1358, 0.4085, 0.3617

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.4369, 0.5607, 0.3721 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(213, 83, 32)` looks like.

```
.text, #text, p{  
    color:rgb(213, 83, 32)  
}
```

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(213, 83, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 83, 32) }
```

Border

The CSS property to change the border of an element to Yxy 20.4369, 0.5607, 0.3721 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(213, 83, 32) }
```

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

```
.border{ border-color:rgb(213, 83, 32) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 83, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 83, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 83, 32);  
box-shadow:4px 4px 4px 4px rgb(213, 83,  
32) }
```


Background

The CSS property to change the background color of an element to Yxy 20.4369, 0.5607, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 83, 32) }
```

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

```
.background{ background-color: rgb(213, 83,  
32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor