

Converting Colors

$Y_{xy}(20.3622, 0.5155, 0.3747)$

Have a look what the booklet for
Yxy(20.3622, 0.5155, 0.3747)
contains.

Yxy(20.2775, 0.5161, 0.3744)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.2775, 0.5161, 0.3744)

Conversions

Conversions Part 1

Format	Color
Hex	C65E36
RGB	198, 94, 54
RGB Percent	78%, 37%, 21%
CMY	0.2236, 0.6313, 0.7882
CMYK	0.00, 0.53, 0.73, 0.22
HSL	17°, 57%, 49%
HSV	17°, 73%, 78%
XYZ	27.9520, 20.2775, 5.9305
YIQ	120.5360, 74.8240, 9.6080

Conversions

Conversions Part 2

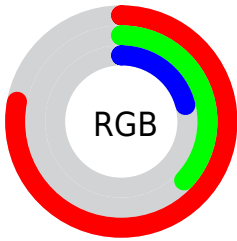
Format	Color
R _Y B	198, 109, 54
Decimal	13000246
CIE Lab	52.15, 38.75, 41.69
CIE LCh	52, 56.918, 47.088
Yxy	20.2775, 0.5161, 0.3744
Android (android.graphics.Color)	4291190326 (0xFFC65E36)
YUV	120.5360, -32.8022, 67.9359
Hunter-Lab	45.0305, 31.9975, 23.7129

Details

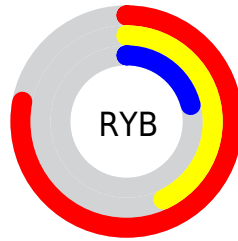
The Yxy color **20.2775, 0.5161, 0.3744** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **29.2951, 0.2155, 0.2639**, and the grayscale version is **19.0549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1067, 0.4685, 0.3731**, and **7.1442, 0.5843, 0.3669** is the 20% darker color. If you saturate the color by 10%, you get **17.8171, 0.5526, 0.3726**, and if you desaturate by 10%, it is **23.2865, 0.4781, 0.3723**.

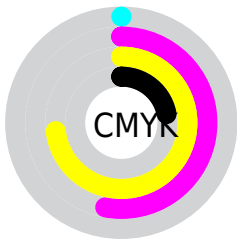
Distribution



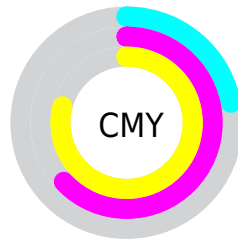
- Red (78%)
- Green (37%)
- Blue (21%)



- Red (78%)
- Yellow (43%)
- Blue (21%)



- Cyan (0%)
- Magenta (53%)
- Yellow (73%)
- Black (22%)





- Cyan (22%)
- Magenta (63%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.2775, 0.5161, 0.3744 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 20.2775, 0.5161, 0.3744 by changing the saturation by 10% instead.


 20.2775, 0.5161,
0.3744

 20.2775, 0.5161,
0.3744


253.4134, 0.4030,
0.3592


 12.5969, 0.5459,
0.3731


 43.8819, 0.4732,
0.3720

 7.1516, 0.5834,
0.3673


 60.5746, 0.4575,
0.3700


 3.5571, 0.6420,
0.3580

 81.0401, 0.4445,
0.3680

 1.4290, 0.6858,
0.3142

 105.6627, 0.4335,
0.3660

 0.2380, 0.8365,
0.1635

 134.8270, 0.4242,
0.3641

 0.0000, 1.0000,
0.0000

 168.9173, 0.4161,

 0.0000, 0.0000,

0.3624

0.0000

208.3180, 0.4091,
0.3607

■ 20.2775, 0.5161,
0.3744

■ 20.2775, 0.5161,
0.3744

■ 17.8171, 0.5526,
0.3726

■ 23.2865, 0.4781,
0.3723

■ 15.8663, 0.5837,
0.3664

■ 26.8731, 0.4417,
0.3673

■ 14.7383, 0.6022,
0.3601

■ 31.0679, 0.4087,
0.3606

■ 35.8983, 0.3799,
0.3531

■ 41.3900, 0.3553,
0.3454

■ 47.5671, 0.3344,
0.3379

■ 54.4525, 0.3170,
0.3308

■ 62.0683, 0.3023,
0.3243

■ 70.4351, 0.2900,
0.3183

Harmonies

Analogous

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



20.2775, 0.4840, 0.3059



20.2775, 0.5161, 0.3744



20.2775, 0.4820, 0.4465

Triad

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



20.2775, 0.5161, 0.3744



20.2775, 0.2225, 0.4387



20.2775, 0.2029, 0.1808

Complementary

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



20.2775, 0.5161, 0.3744



29.2951, 0.2155, 0.2639

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.



20.2775, 0.1568, 0.1885



20.2775, 0.5161, 0.3744



20.2775, 0.1639, 0.3188

Square

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



20.2775, 0.5161, 0.3744



20.2775, 0.3114, 0.5186



20.2775, 0.1436, 0.2310



20.2775, 0.2844, 0.2010

Rectangle

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



20.2775, 0.5161, 0.3744



20.2775, 0.4341, 0.4911



20.2775, 0.1436, 0.2310



20.2775, 0.1837, 0.1800

Sweetspot

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



20.2786, 0.5161, 0.3744



73.7240, 0.3544, 0.3451



17.1637, 0.3732, 0.2072



15.1785, 0.3607, 0.3472



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.



20.2786, 0.5161, 0.3744



29.5243, 0.5709, 0.3697



38.9551, 0.4372, 0.4567



11.1090, 0.3283, 0.3355



9.7130, 0.5998, 0.3619



0.5852, 0.5575, 0.3955

Inverse Universe

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



29.2951, 0.2155, 0.2639



45.8278, 0.2043, 0.2476



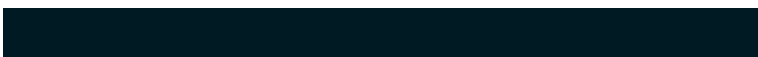
11.7730, 0.1854, 0.1439



11.5497, 0.2984, 0.3224



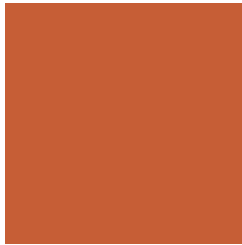
15.5676, 0.1991, 0.2369



0.8544, 0.2051, 0.2584

Previews

White Background



This preview shows how the Yxy color 20.2775, 0.5161, 0.3744 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 20.2775, 0.5161, 0.3744 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

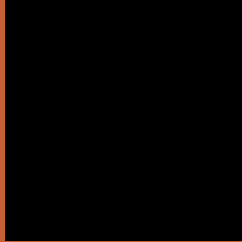
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.2775, 0.5161, 0.3744

Background



This preview shows how black text looks on a background with the Yxy color 20.2775, 0.5161, 0.3744.



This preview shows how white text looks on a background with the Yxy color 20.2775, 0.5161, 0.3744.

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

20.2775, 0.5161, 0.3744

Protanopia

20.4407, 0.3988, 0.4350

Deuteranopia

20.4750, 0.4437, 0.4360



Tritanopia

20.2503, 0.4684, 0.3220

Trichromacy



Original Color

20.2775, 0.5161, 0.3744

Protanomaly

19.8345, 0.4431, 0.4120

Deuteranomaly

20.0401, 0.4715, 0.4118

Tritanomaly

20.2035, 0.4878, 0.3429

Monochromacy



Original Color

20.2775, 0.5161, 0.3744

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.6215, 0.3840, 0.3534

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.2775, 0.5161, 0.3744 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(198, 94, 54)` looks like.

```
.text, #text, p{  
  color:rgb(198, 94, 54)  
}
```

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(198, 94, 54) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 94, 54) }
```

Border

The CSS property to change the border of an element to Yxy 20.2775, 0.5161, 0.3744 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(198, 94, 54) }
```

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

```
.border{ border-color:rgb(198, 94, 54) }
```

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

Here you see how a box with a 4 pixel rgb(198, 94, 54) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 94, 54); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 94, 54);  
box-shadow:4px 4px 4px 4px rgb(198, 94,  
54) }
```


Background

The CSS property to change the background color of an element to Yxy 20.2775, 0.5161, 0.3744 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 94, 54) }
```

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

```
.background{ background-color: rgb(198, 94,  
54) }
```

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