

Converting Colors

$Y_{xy}(20.6992, 0.5283, 0.3874)$

Have a look what the booklet for
Yxy(20.6992, 0.5283, 0.3874)
contains.

Yxy(20.6611, 0.5276, 0.3877)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(20.6611, 0.5276, 0.3877)

Conversions

Conversions Part 1

Format	Color
Hex	C76028
RGB	199, 96, 40
RGB Percent	78%, 38%, 16%
CMY	0.2197, 0.6235, 0.8431
CMYK	0.00, 0.52, 0.80, 0.22
HSL	21°, 67%, 47%
HSV	21°, 80%, 78%
XYZ	28.1166, 20.6611, 4.5138
YIQ	120.4130, 79.3640, 4.4200

Conversions

Conversions Part 2

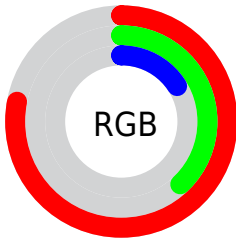
Format	Color
RYB	199, 126, 40
Decimal	13066280
CIELab	52.58, 37.57, 49.02
CIElCh	53, 61.756, 52.534
Yxy	20.6611, 0.5276, 0.3877
Android (android.graphics.Color)	4291256360 (0xFFC76028)
YUV	120.4130, -39.6436, 68.9208
Hunter-Lab	45.4545, 30.8686, 25.9304

Details

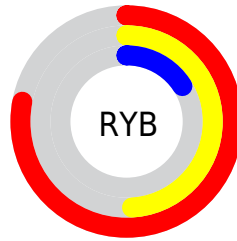
The Yxy color **20.6611, 0.5276, 0.3877** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **24.2113, 0.2043, 0.2355**, and the grayscale version is **19.0340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1611, 0.4799, 0.3862**, and **7.3573, 0.5837, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **18.3973, 0.5581, 0.3834**, and if you desaturate by 10%, it is **23.3824, 0.4937, 0.3871**.

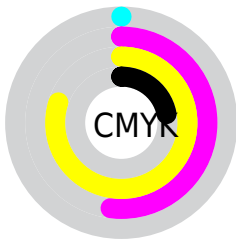
Distribution



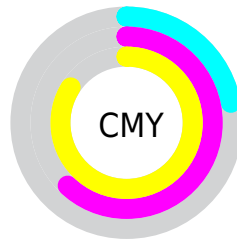
- Red (78%)
- Green (38%)
- Blue (16%)



- Red (78%)
- Yellow (49%)
- Blue (16%)



- Cyan (0%)
- Magenta (52%)
- Yellow (80%)
- Black (22%)





- Cyan (22%)
- Magenta (62%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.6611, 0.5276, 0.3877 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 20.6611, 0.5276, 0.3877 by changing the saturation by 10% instead.


 20.6611, 0.5276,
0.3877


 20.6611, 0.5276,
0.3877


255.4719, 0.4106,
0.3679


 12.8765, 0.5565,
0.3862

 44.5228, 0.4844,
0.3845

 7.3436, 0.5935,
0.3806


 61.3687, 0.4681,
0.3820


 3.6779, 0.6365,
0.3635


 82.0039, 0.4545,
0.3793

 1.4951, 0.6787,
0.3213

 106.8127, 0.4430,
0.3768

 0.2852, 0.8127,
0.1873

 136.1795, 0.4331,
0.3743

 0.0000, 1.0000,
0.0000

 170.4887, 0.4246,

 0.0000, 0.0000,

0.3720

0.0000

210.1247, 0.4171,
0.3699

■ 20.6611, 0.5276,
0.3877

■ 20.6611, 0.5276,
0.3877

■ 18.3973, 0.5581,
0.3834

■ 23.3824, 0.4937,
0.3871

■ 16.5512, 0.5834,
0.3749

■ 26.5847, 0.4593,
0.3825

■ 16.5339, 0.5836,
0.3748

■ 30.2935, 0.4266,
0.3751

■ 34.5313, 0.3970,
0.3662

■ 39.3191, 0.3709,
0.3566

■ 44.6767, 0.3483,
0.3470

■ 50.6227, 0.3290,
0.3377

■ 57.1751, 0.3126,
0.3289

■ 64.3508, 0.2986,
0.3208

Harmonies

Analogous

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



20.6611, 0.5089, 0.3154



20.6611, 0.5276, 0.3877



20.6611, 0.4786, 0.4647

Triad

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



20.6611, 0.5276, 0.3877



20.6611, 0.2011, 0.4245



20.6611, 0.2085, 0.1741

Complementary

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



20.6611, 0.5276, 0.3877



24.2113, 0.2043, 0.2355

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.



20.6611, 0.1540, 0.1760



20.6611, 0.5276, 0.3877



20.6611, 0.1477, 0.2957

Square

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



20.6611, 0.5276, 0.3877



20.6611, 0.2907, 0.5270



20.6611, 0.1341, 0.2121



20.6611, 0.3014, 0.2001

Rectangle

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



20.6611, 0.5276, 0.3877



20.6611, 0.4230, 0.5115



20.6611, 0.1341, 0.2121



20.6611, 0.1861, 0.1714

Sweetspot

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



20.6622, 0.5276, 0.3877



73.9314, 0.3579, 0.3512



15.6517, 0.4038, 0.2158



15.1083, 0.3663, 0.3547



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.



20.6622, 0.5276, 0.3877



29.7300, 0.5771, 0.3769



43.0076, 0.4340, 0.4750



11.2381, 0.3281, 0.3372



10.7834, 0.5811, 0.3768



0.6469, 0.5408, 0.4088

Inverse Universe

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



24.2113, 0.2043, 0.2355



35.5698, 0.1928, 0.2122



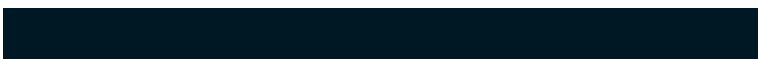
8.2242, 0.1708, 0.1080



11.4143, 0.2984, 0.3207



12.8982, 0.1918, 0.2105



0.7432, 0.1995, 0.2381

Previews

White Background



This preview shows how the Yxy color 20.6611, 0.5276, 0.3877 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 20.6611, 0.5276, 0.3877 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 20.6611, 0.5276, 0.3877

Background



This preview shows how black text looks on a background with the Yxy color 20.6611, 0.5276, 0.3877.



This preview shows how white text looks on a background with the Yxy color 20.6611, 0.5276, 0.3877.

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

20.6611, 0.5276, 0.3877

Protanopia

20.7978, 0.4163, 0.4562

Deuteranopia

20.8063, 0.4567, 0.4508



Tritanopia

20.5744, 0.4673, 0.3220

Trichromacy



Original Color

20.6611, 0.5276, 0.3877

Protanomaly

20.1323, 0.4588, 0.4295

Deuteranomaly

20.3745, 0.4848, 0.4254

Tritanomaly

20.4555, 0.4935, 0.3487

Monochromacy



Original Color

20.6611, 0.5276, 0.3877

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5138, 0.3923, 0.3637

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.6611, 0.5276, 0.3877 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(199, 96, 40)` looks like.

```
.text, #text, p{  
  color:rgb(199, 96, 40)  
}
```

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(199, 96, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 96, 40) }
```

Border

The CSS property to change the border of an element to Yxy 20.6611, 0.5276, 0.3877 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(199, 96, 40) }
```

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

```
.border{ border-color:rgb(199, 96, 40) }
```

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

Here you see how a box with a 4 pixel `rgb(199, 96, 40)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 96, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 96, 40);  
box-shadow:4px 4px 4px 4px rgb(199, 96,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 20.6611, 0.5276, 0.3877 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 96, 40) }
```

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

```
.background{ background-color: rgb(199, 96,  
40) }
```

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