

Converting Colors

$Y_{xy}(20.2587, 0.5010, 0.3716)$

Have a look what the booklet for
Yxy(20.2587, 0.5010, 0.3716)
contains.

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Color

Yxy(20.3556, 0.5010, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	C2613D
RGB	194, 97, 61
RGB Percent	76%, 38%, 24%
CMY	0.2393, 0.6196, 0.7609
CMYK	0.00, 0.50, 0.69, 0.24
HSL	16°, 52%, 50%
HSV	16°, 69%, 76%
XYZ	27.3629, 20.3556, 6.8981
YIQ	121.8990, 69.3680, 9.3680

Conversions

Conversions Part 2

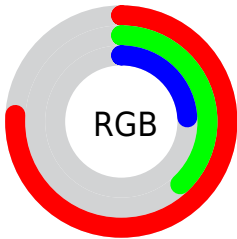
Format	Color
RYB	194, 110, 61
Decimal	12738877
CIELab	52.24, 36.03, 37.92
CIELCh	52, 52.305, 46.468
Yxy	20.3556, 0.5010, 0.3727
Android (android.graphics.Color)	4290928957 (0xFFC2613D)
YUV	121.8990, -30.0232, 63.2326
Hunter-Lab	45.1172, 29.3026, 22.5170

Details

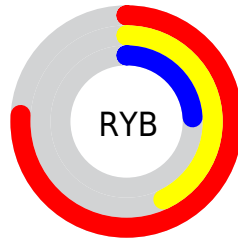
The Yxy color **20.3556, 0.5010, 0.3727** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **29.3235, 0.2198, 0.2699**, and the grayscale version is **19.5108, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8807, 0.4605, 0.3687**, and **7.2184, 0.5668, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **17.7990, 0.5388, 0.3726**, and if you desaturate by 10%, it is **23.4560, 0.4631, 0.3694**.

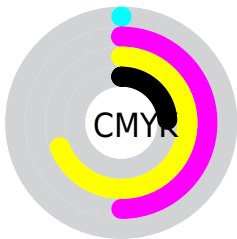
Distribution



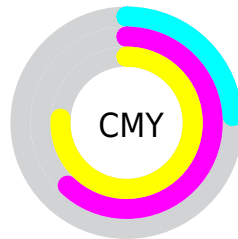
- Red (76%)
- Green (38%)
- Blue (24%)



- Red (76%)
- Yellow (43%)
- Blue (24%)



- Cyan (0%)
- Magenta (50%)
- Yellow (69%)
- Black (24%)





- Cyan (24%)
- Magenta (62%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3556, 0.5010, 0.3727 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 20.3556, 0.5010, 0.3727 by changing the saturation by 10% instead.


 20.3556, 0.5010,
0.3727


 20.3556, 0.5010,
0.3727


253.8337, 0.3955,
0.3566


 12.6538, 0.5296,
0.3726


 44.0126, 0.4605,
0.3693

 7.1906, 0.5664,
0.3689


 60.7365, 0.4459,
0.3672


 3.5816, 0.6304,
0.3666

 81.2367, 0.4338,
0.3651

 1.4424, 0.6742,
0.3258

 105.8974, 0.4236,
0.3631

 0.2476, 0.8222,
0.1778

 135.1030, 0.4150,
0.3613

 0.0000, 1.0000,
0.0000

 169.2380, 0.4076,

 0.0000, 0.0000,

0.3596

0.0000

208.6868, 0.4012,
0.3580

■ 20.3556, 0.5010,
0.3727

■ 20.3556, 0.5010,
0.3727

■ 17.7990, 0.5388,
0.3726

■ 23.4560, 0.4631,
0.3694

■ 15.7495, 0.5729,
0.3682

■ 27.1272, 0.4278,
0.3637

■ 14.1672, 0.6000,
0.3601

■ 31.3981, 0.3964,
0.3568

■ 13.9743, 0.6036,
0.3589

■ 36.2947, 0.3692,
0.3493

■ 41.8413, 0.3462,
0.3419

■ 48.0611, 0.3268,
0.3347

■ 54.9759, 0.3106,
0.3281

■ 62.6067, 0.2969,
0.3219

■ 70.9733, 0.2855,
0.3163

Harmonies

Analogous

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



20.3556, 0.4689, 0.3076



20.3556, 0.5010, 0.3727



20.3556, 0.4725, 0.4399

Triad

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



20.3556, 0.5010, 0.3727



20.3556, 0.2317, 0.4309



20.3556, 0.2094, 0.1901

Complementary

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



20.3556, 0.5010, 0.3727



29.3235, 0.2198, 0.2699

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.



20.3556, 0.1662, 0.1986



20.3556, 0.5010, 0.3727



20.3556, 0.1751, 0.3229

Square

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



20.3556, 0.5010, 0.3727



20.3556, 0.3154, 0.5021



20.3556, 0.1544, 0.2404



20.3556, 0.2853, 0.2086

Rectangle

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



20.3556, 0.5010, 0.3727



20.3556, 0.4292, 0.4799



20.3556, 0.1544, 0.2404



20.3556, 0.1913, 0.1897

Sweetspot

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



20.3567, 0.5010, 0.3727



72.9147, 0.3522, 0.3439



17.2895, 0.3686, 0.2115



15.3414, 0.3586, 0.3460



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.



20.3567, 0.5010, 0.3727



30.3824, 0.5557, 0.3711



37.9828, 0.4307, 0.4522



10.5120, 0.3282, 0.3353



9.3070, 0.6013, 0.3608



0.5208, 0.5559, 0.3968

Inverse Universe

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



29.3235, 0.2198, 0.2699



47.2692, 0.2080, 0.2550



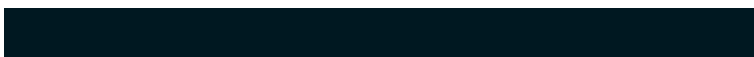
12.5424, 0.1920, 0.1555



10.9519, 0.2984, 0.3226



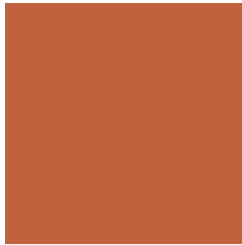
15.3125, 0.1999, 0.2395



0.7709, 0.2061, 0.2618

Previews

White Background



This preview shows how the Yxy color 20.3556, 0.5010, 0.3727 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 20.3556, 0.5010, 0.3727 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 20.3556, 0.5010, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 20.3556, 0.5010, 0.3727.



This preview shows how white text looks on a background with the Yxy color 20.3556, 0.5010, 0.3727.

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

20.3556, 0.5010, 0.3727

Protanopia

20.4278, 0.3913, 0.4262

Deuteranopia

20.4477, 0.4351, 0.4272



Tritanopia

20.2909, 0.4554, 0.3204

Trichromacy



Original Color

20.3556, 0.5010, 0.3727

Protanomaly

19.9358, 0.4316, 0.4050

Deuteranomaly

20.1094, 0.4599, 0.4054

Tritanomaly

20.2634, 0.4736, 0.3409

Monochromacy



Original Color

20.3556, 0.5010, 0.3727

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

19.0263, 0.3774, 0.3517

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3556, 0.5010, 0.3727 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(194, 97, 61)` looks like.

```
.text, #text, p{  
    color:rgb(194, 97, 61)  
}
```

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(194, 97, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 97, 61) }
```

Border

The CSS property to change the border of an element to Yxy 20.3556, 0.5010, 0.3727 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(194, 97, 61) }
```

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

```
.border{ border-color:rgb(194, 97, 61) }
```

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

Here you see how a box with a 4 pixel rgb(194, 97, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 97, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 97, 61);  
box-shadow:4px 4px 4px 4px rgb(194, 97,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3556, 0.5010, 0.3727 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 97, 61) }
```

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

```
.background{ background-color: rgb(194, 97,  
61) }
```

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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