

Converting Colors

$Y_{xy}(20.5276, 0.4945, 0.3775)$

Have a look what the booklet for
Yxy(20.5276, 0.4945, 0.3775)
contains.

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Color

Yxy(20.5276, 0.4945, 0.3775)

Conversions

Conversions Part 1

Format	Color
Hex	BF643D
RGB	191, 100, 61
RGB Percent	75%, 39%, 24%
CMY	0.2509, 0.6079, 0.7608
CMYK	0.00, 0.48, 0.68, 0.25
HSL	18°, 52%, 49%
HSV	18°, 68%, 75%
XYZ	26.8898, 20.5276, 6.9604
YIQ	122.7630, 66.7550, 7.1630

Conversions

Conversions Part 2

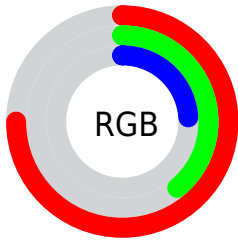
Format	Color
RYB	191, 117, 61
Decimal	12543037
CIELab	52.43, 33.29, 38.01
CIELCh	52, 50.525, 48.792
Yxy	20.5276, 0.4945, 0.3775
Android (android.graphics.Color)	4290733117 (0xFFBF643D)
YUV	122.7630, -30.4492, 59.8438
Hunter-Lab	45.3074, 26.6512, 22.6067

Details

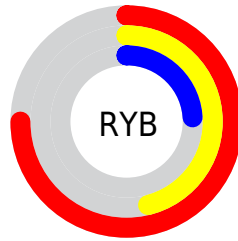
The Yxy color **20.5276, 0.4945, 0.3775** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **27.2237, 0.2187, 0.2639**, and the grayscale version is **19.8109, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.2777, 0.4557, 0.3724**, and **7.3077, 0.5563, 0.3769** is the 20% darker color. If you saturate the color by 10%, you get **18.0000, 0.5311, 0.3781**, and if you desaturate by 10%, it is **23.5518, 0.4580, 0.3734**.

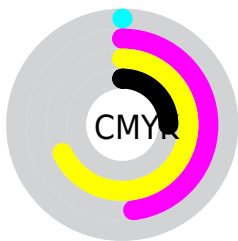
Distribution



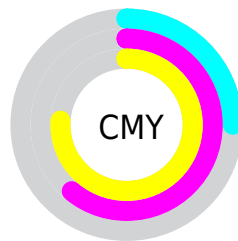
- Red (75%)
- Green (39%)
- Blue (24%)



- Red (75%)
- Yellow (46%)
- Blue (24%)



- Cyan (0%)
- Magenta (48%)
- Yellow (68%)
- Black (25%)





- Cyan (25%)
- Magenta (61%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.5276, 0.4945, 0.3775 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 20.5276, 0.4945, 0.3775 by changing the saturation by 10% instead.


 20.5276, 0.4945,
0.3775


 20.5276, 0.4945,
0.3775


254.7572, 0.3928,
0.3583


 12.7791, 0.5220,
0.3785


 44.3000, 0.4555,
0.3728


 7.2766, 0.5575,
0.3763


 61.0927, 0.4414,
0.3702

 3.6357, 0.6192,
0.3761

 81.6690, 0.4297,
0.3678

 1.4719, 0.6615,
0.3385

 106.4132, 0.4199,
0.3655

 0.2689, 0.8020,
0.1980

 135.7097, 0.4116,
0.3635

 0.0000, 1.0000,
0.0000

 169.9429, 0.4045,

 0.0000, 0.0000,

0.3616

0.0000

209.4973, 0.3983,
0.3599

■ 20.5276, 0.4945,
0.3775

■ 20.5276, 0.4945,
0.3775

■ 18.0000, 0.5311,
0.3781

■ 23.5518, 0.4580,
0.3734

■ 15.9372, 0.5645,
0.3742

■ 27.0956, 0.4240,
0.3669

■ 14.3051, 0.5917,
0.3661

■ 31.1842, 0.3937,
0.3592

■ 14.0330, 0.5966,
0.3645

■ 35.8400, 0.3673,
0.3510

■ 41.0844, 0.3449,
0.3428

■ 46.9374, 0.3258,
0.3350

■ 53.4180, 0.3098,
0.3276

■ 60.5446, 0.2963,
0.3209

■ 68.3346, 0.2849,
0.3147

Harmonies

Analogous

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



20.5276, 0.4678, 0.3135



20.5276, 0.4945, 0.3775



20.5276, 0.4638, 0.4423

Triad

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



20.5276, 0.4945, 0.3775



20.5276, 0.2294, 0.4191



20.5276, 0.2173, 0.1946

Complementary

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



20.5276, 0.4945, 0.3775



27.2237, 0.2187, 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.



20.5276, 0.1725, 0.2009



20.5276, 0.4945, 0.3775



20.5276, 0.1767, 0.3161

Square

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



20.5276, 0.4945, 0.3775



20.5276, 0.3093, 0.4923



20.5276, 0.1588, 0.2392



20.5276, 0.2933, 0.2145

Rectangle

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



20.5276, 0.4945, 0.3775



20.5276, 0.4206, 0.4792



20.5276, 0.1588, 0.2392



20.5276, 0.1988, 0.1936

Sweetspot

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



20.5287, 0.4945, 0.3775



71.3539, 0.3496, 0.3446



16.7566, 0.3713, 0.2145



15.0730, 0.3558, 0.3469



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



20.5287, 0.4945, 0.3775



30.1960, 0.5492, 0.3766



37.5583, 0.4278, 0.4538



9.9902, 0.3281, 0.3359



9.3448, 0.5942, 0.3664



0.4843, 0.5457, 0.4049

Inverse Universe

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



27.2237, 0.2187, 0.2639



42.6274, 0.2058, 0.2466



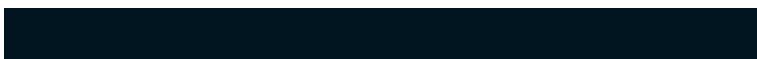
11.9288, 0.1921, 0.1536



10.3133, 0.2985, 0.3220



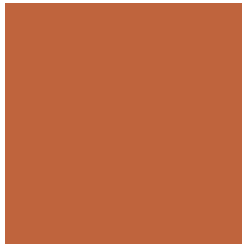
13.7745, 0.1971, 0.2294



0.6489, 0.2045, 0.2561

Previews

White Background



This preview shows how the Yxy color 20.5276, 0.4945, 0.3775 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 20.5276, 0.4945, 0.3775 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

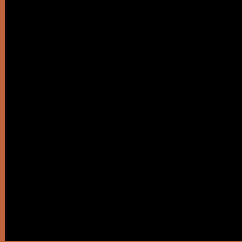
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 20.5276, 0.4945, 0.3775

Background



This preview shows how black text looks on a background with the Yxy color 20.5276, 0.4945, 0.3775.



This preview shows how white text looks on a background with the Yxy color 20.5276, 0.4945, 0.3775.

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

20.5276, 0.4945, 0.3775

Protanopia

20.7672, 0.3918, 0.4272

Deuteranopia

20.6969, 0.4330, 0.4274



Tritanopia

20.4812, 0.4451, 0.3201

Trichromacy



Original Color

20.5276, 0.4945, 0.3775

Protanomaly

20.2959, 0.4283, 0.4085

Deuteranomaly

20.4406, 0.4563, 0.4088

Tritanomaly

20.4440, 0.4647, 0.3426

Monochromacy



Original Color

20.5276, 0.4945, 0.3775

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.4775, 0.3764, 0.3551

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.5276, 0.4945, 0.3775 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(191, 100, 61)` looks like.

```
.text, #text, p{  
    color:rgb(191, 100, 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(191, 100, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 100, 61) }
```

Border

The CSS property to change the border of an element to Yxy 20.5276, 0.4945, 0.3775 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(191, 100, 61) }
```

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

```
.border{ border-color:rgb(191, 100, 61) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 100, 61)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 100, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 100, 61);  
box-shadow:4px 4px 4px 4px rgb(191, 100,  
61) }
```


Background

The CSS property to change the background color of an element to Yxy 20.5276, 0.4945, 0.3775 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 100, 61) }
```

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

```
.background{ background-color: rgb(191,  
100, 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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