

Converting Colors

$Y_{xy}(17.2162, 0.5426, 0.3871)$

Have a look what the booklet for
Yxy(17.2162, 0.5426, 0.3871)
contains.

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Color

Yxy(17.2722, 0.5422, 0.3870)

Conversions

Conversions Part 1

Format	Color
Hex	BC551C
RGB	188, 85, 28
RGB Percent	74%, 33%, 11%
CMY	0.2627, 0.6667, 0.8900
CMYK	0.00, 0.55, 0.85, 0.26
HSL	21°, 74%, 42%
HSV	21°, 85%, 74%
XYZ	24.1989, 17.2722, 3.1599
YIQ	109.2990, 79.6850, 4.1090

Conversions

Conversions Part 2

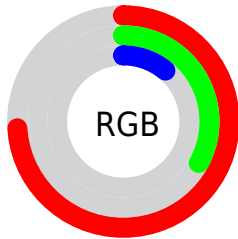
Format	Color
R _Y B	188, 117, 28
Decimal	12342556
CIE Lab	48.60, 38.45, 49.92
CIE LCh	49, 63.010, 52.398
Yxy	17.2722, 0.5422, 0.3870
Android (android.graphics.Color)	4290532636 (0xFFBC551C)
YUV	109.2990, -40.0804, 69.0208
Hunter-Lab	41.5598, 31.2050, 24.5840

Details

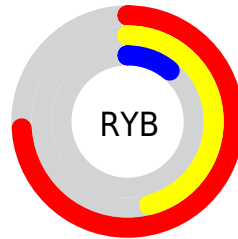
The Yxy color **17.2722, 0.5422, 0.3870** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **20.1259, 0.2002, 0.2278**, and the grayscale version is **15.4833, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.7654, 0.4946, 0.3854**, and **5.7332, 0.5991, 0.3625** is the 20% darker color. If you saturate the color by 10%, you get **15.4634, 0.5698, 0.3803**, and if you desaturate by 10%, it is **19.4652, 0.5098, 0.3886**.

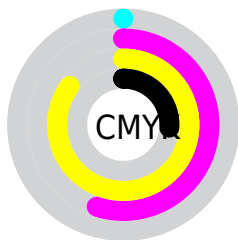
Distribution



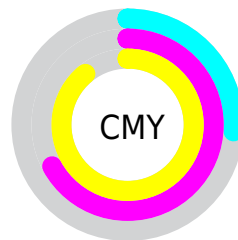
- Red (74%)
- Green (33%)
- Blue (11%)



- Red (74%)
- Yellow (46%)
- Blue (11%)



- Cyan (0%)
- Magenta (55%)
- Yellow (85%)
- Black (26%)



- Cyan (26%)
- Magenta (67%)
- Yellow (89%)
- Black (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.2722, 0.5422, 0.3870 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 17.2722, 0.5422, 0.3870 by changing the saturation by 10% instead.


 17.2722, 0.5422,
0.3870


 17.2722, 0.5422,
0.3870


236.7361, 0.4151,
0.3691


 10.4288, 0.5735,
0.3832


 38.7932, 0.4950,
0.3855


 5.6841, 0.6216,
0.3784

 54.2395, 0.4773,
0.3832

 2.6540, 0.6541,
0.3459

 73.3223, 0.4625,
0.3807

 0.9539, 0.7063,
0.2937

 96.4258, 0.4500,
0.3781

 0.0000, 1.0000,
0.0000


 123.9346, 0.4393,
0.3756


 0.0000, 0.0000,
0.0000


 156.2330, 0.4301,


0.3733

 193.7054, 0.4221,
0.3711

 17.2722, 0.5422,
0.3870


 17.2722, 0.5422,
0.3870

 15.4634, 0.5698,
0.3803


 19.4652, 0.5098,
0.3886

 14.6992, 0.5820,
0.3761

 22.0642, 0.4757,
0.3858

 25.0920, 0.4422,
0.3796

 28.5687, 0.4112,
0.3712

 32.5129, 0.3835,
0.3618

■ 36.9421, 0.3593,
0.3521

■ 41.8729, 0.3385,
0.3425

■ 47.3210, 0.3207,
0.3334

■ 53.3013, 0.3056,
0.3249

Harmonies

Analogous

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



17.2722, 0.5242, 0.3119



17.2722, 0.5422, 0.3870



17.2722, 0.4874, 0.4693

Triad

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



17.2722, 0.5422, 0.3870



17.2722, 0.1924, 0.4337



17.2722, 0.2009, 0.1649

Complementary

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



17.2722, 0.5422, 0.3870



20.1259, 0.2002, 0.2278

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.



17.2722, 0.1444, 0.1665



17.2722, 0.5422, 0.3870



17.2722, 0.1372, 0.2919

Square

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



17.2722, 0.5422, 0.3870



17.2722, 0.2869, 0.5461



17.2722, 0.1238, 0.2034



17.2722, 0.2992, 0.1920

Rectangle

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



17.2722, 0.5422, 0.3870



17.2722, 0.4272, 0.5219



17.2722, 0.1238, 0.2034



17.2722, 0.1776, 0.1621

Sweetspot

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



17.2732, 0.5422, 0.3870



65.8160, 0.3624, 0.3534



13.1915, 0.4113, 0.2143



13.5430, 0.3705, 0.3567



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



17.2732, 0.5422, 0.3870



26.2186, 0.5848, 0.3739



37.3318, 0.4385, 0.4782



10.0773, 0.3280, 0.3372



10.1358, 0.5797, 0.3779



0.5221, 0.5334, 0.4147

Inverse Universe

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



20.1259, 0.2002, 0.2278



30.9119, 0.1905, 0.2058



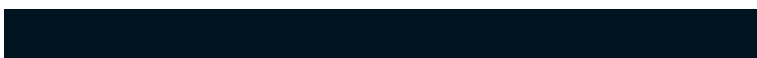
6.3383, 0.1650, 0.0970



10.2224, 0.2985, 0.3206



11.9375, 0.1915, 0.2095



0.5868, 0.2004, 0.2415

Previews

White Background



This preview shows how the Yxy color 17.2722, 0.5422, 0.3870 looks on a white background.

Color Contrast Check

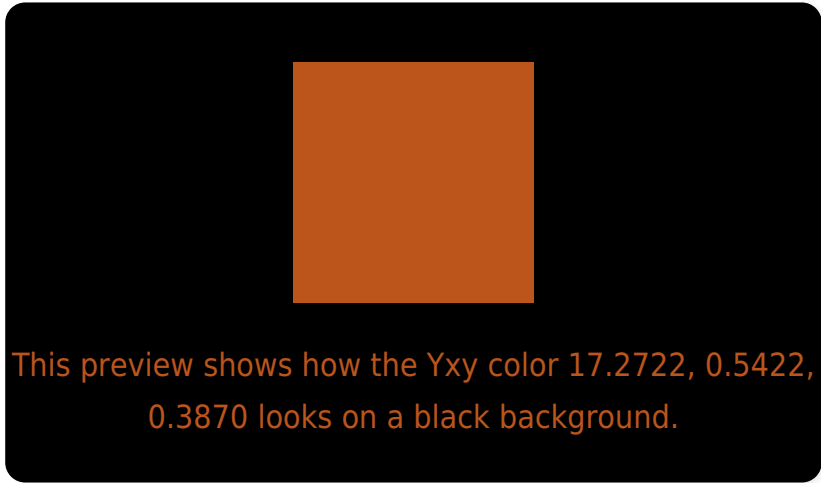
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black 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

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

Yxy 17.2722, 0.5422, 0.3870

Background



This preview shows how black text looks on a background with the Yxy color 17.2722, 0.5422, 0.3870.



This preview shows how white text looks on a background with the Yxy color 17.2722, 0.5422, 0.3870.

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

17.2722, 0.5422, 0.3870

Protanopia

17.3640, 0.4225, 0.4652

Deuteranopia

17.3866, 0.4665, 0.4586



Tritanopia

17.3403, 0.4797, 0.3231

Trichromacy



Original Color

17.2722, 0.5422, 0.3870

Protanomaly

16.7923, 0.4685, 0.4349

Deuteranomaly

17.0358, 0.4971, 0.4305

Tritanomaly

17.2236, 0.5086, 0.3514

Monochromacy



Original Color

17.2722, 0.5422, 0.3870

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.0968, 0.4000, 0.3663

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.2722, 0.5422, 0.3870 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(188, 85, 28)` looks like.

```
.text, #text, p{  
    color:rgb(188, 85, 28)  
}
```

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(188, 85, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 85, 28) }
```

Border

The CSS property to change the border of an element to Yxy 17.2722, 0.5422, 0.3870 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(188, 85, 28) }
```

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

```
.border{ border-color:rgb(188, 85, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 85, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 85, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 85, 28);  
box-shadow:4px 4px 4px 4px rgb(188, 85,  
28) }
```


Background

The CSS property to change the background color of an element to Yxy 17.2722, 0.5422, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 85, 28) }
```

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

```
.background{ background-color: rgb(188, 85,  
28) }
```

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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