

Converting Colors

$Y_{xy}(19.8034, 0.5248, 0.4017)$

Have a look what the booklet for
Yxy(19.8034, 0.5248, 0.4017)
contains.

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Color

Yxy(19.7712, 0.5247, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	BE621D
RGB	190, 98, 29
RGB Percent	75%, 38%, 11%
CMY	0.2549, 0.6157, 0.8860
CMYK	0.00, 0.48, 0.85, 0.25
HSL	26°, 73%, 43%
HSV	26°, 85%, 75%
XYZ	25.8251, 19.7712, 3.6225
YIQ	117.6420, 76.9810, -1.9550

Conversions

Conversions Part 2

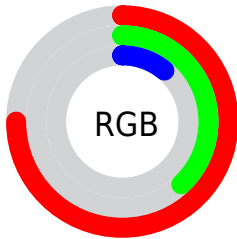
Format	Color
R_{YB}	190, 150, 29
Decimal	12476957
CIE Lab	51.58, 32.56, 52.19
CIE LCh	52, 61.514, 58.038
Yxy	19.7712, 0.5247, 0.4017
Android (android.graphics.Color)	4290667037 (0xFFBE621D)
YUV	117.6420, -43.7005, 63.4580
Hunter-Lab	44.4648, 25.8592, 26.2951

Details

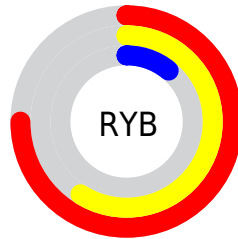
The Yxy color **19.7712, 0.5247, 0.4017** is a dark color, and the websafe version is hex **CC6633**. A complement of this color would be **17.6723, 0.1946, 0.2065**, and the grayscale version is **18.1234, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0873, 0.4829, 0.3963**, and **6.9425, 0.5711, 0.3848** is the 20% darker color. If you saturate the color by 10%, you get **17.8086, 0.5498, 0.3963**, and if you desaturate by 10%, it is **22.0698, 0.4957, 0.4018**.

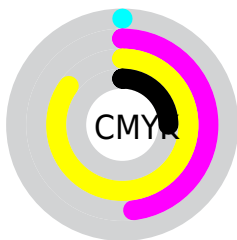
Distribution



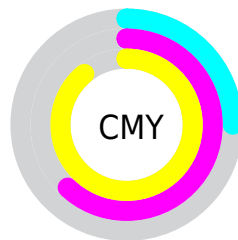
- Red (75%)
- Green (38%)
- Blue (11%)



- Red (75%)
- Yellow (59%)
- Blue (11%)



- Cyan (0%)
- Magenta (48%)
- Yellow (85%)
- Black (25%)





- Cyan (25%)
- Magenta (62%)
- Yellow (89%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7712, 0.5247, 0.4017 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 19.7712, 0.5247, 0.4017 by changing the saturation by 10% instead.


 19.7712, 0.5247,
0.4017


 19.7712, 0.5247,
0.4017


250.6738, 0.4100,
0.3748


 12.2288, 0.5521,
0.4013


 43.0333, 0.4828,
0.3963


 6.8997, 0.5911,
0.3997


 59.5217, 0.4669,
0.3928

 3.3995, 0.6222,
0.3778

 79.7610, 0.4535,
0.3892

 1.3437, 0.6627,
0.3373

 104.1356, 0.4421,
0.3859

 0.1746, 0.8470,
0.1530

 133.0297, 0.4323,
0.3827

 0.0000, 0.0000,
0.0000

 166.8279, 0.4239,

0.3799

205.9144, 0.4165,
0.3772

19.7712, 0.5247,
0.4017

19.7712, 0.5247,
0.4017

17.8086, 0.5498,
0.3963

22.0698, 0.4957,
0.4018

16.8885, 0.5619,
0.3920

24.7208, 0.4650,
0.3973

27.7427, 0.4347,
0.3893

31.1517, 0.4062,
0.3791

34.9625, 0.3804,
0.3678

■ 39.1890, 0.3574,
0.3562

■ 43.8446, 0.3374,
0.3448

■ 48.9417, 0.3200,
0.3339

■ 54.4924, 0.3050,
0.3237

Harmonies

Analogous

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



19.7712, 0.5204, 0.3279



19.7712, 0.5247, 0.4017



19.7712, 0.4656, 0.4794

Triad

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



19.7712, 0.5247, 0.4017



19.7712, 0.1869, 0.4004



19.7712, 0.2218, 0.1757

Complementary

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



19.7712, 0.5247, 0.4017



17.6723, 0.1946, 0.2065

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.



19.7712, 0.1600, 0.1721



19.7712, 0.5247, 0.4017



19.7712, 0.1410, 0.2755

Square

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



19.7712, 0.5247, 0.4017



19.7712, 0.2719, 0.5173



19.7712, 0.1340, 0.2012



19.7712, 0.3220, 0.2067

Rectangle

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



19.7712, 0.5247, 0.4017



19.7712, 0.4062, 0.5234



19.7712, 0.1340, 0.2012



19.7712, 0.1968, 0.1713

Sweetspot

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



19.7723, 0.5247, 0.4017



70.4488, 0.3590, 0.3570



13.2583, 0.4319, 0.2268



14.8564, 0.3669, 0.3611



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.



19.7723, 0.5247, 0.4017



30.1349, 0.5646, 0.3899



42.3177, 0.4274, 0.4876



10.1902, 0.3278, 0.3389



11.3795, 0.5596, 0.3938



0.5757, 0.5179, 0.4270

Inverse Universe

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



17.6723, 0.1946, 0.2065



25.9060, 0.1832, 0.1796



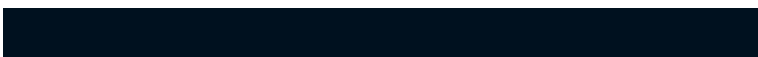
5.6709, 0.1624, 0.0865



10.1063, 0.2984, 0.3189



9.8490, 0.1845, 0.1841



0.5132, 0.1951, 0.2224

Previews

White Background



This preview shows how the Yxy color 19.7712, 0.5247, 0.4017 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 19.7712, 0.5247, 0.4017 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 19.7712, 0.5247, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 19.7712, 0.5247, 0.4017.



This preview shows how white text looks on a background with the Yxy color 19.7712, 0.5247, 0.4017.

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

19.7712, 0.5247, 0.4017

Protanopia

20.0316, 0.4248, 0.4682

Deuteranopia

19.8375, 0.4651, 0.4570



Tritanopia

19.8736, 0.4534, 0.3215

Trichromacy



Original Color

19.7712, 0.5247, 0.4017

Protanomaly

19.6404, 0.4629, 0.4434

Deuteranomaly

19.5386, 0.4879, 0.4357

Tritanomaly

19.6929, 0.4870, 0.3560

Monochromacy



Original Color

19.7712, 0.5247, 0.4017

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9701, 0.3921, 0.3735

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7712, 0.5247, 0.4017 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(190, 98, 29)` looks like.

```
.text, #text, p{  
    color:rgb(190, 98, 29)  
}
```

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(190, 98, 29) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(190, 98, 29) }
```

Border

The CSS property to change the border of an element to Yxy 19.7712, 0.5247, 0.4017 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(190, 98, 29) }
```

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

```
.border{ border-color:rgb(190, 98, 29) }
```

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

Here you see how a box with a 4 pixel rgb(190, 98, 29) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(190, 98, 29); -webkit-box-  
shadow:4px 4px 4px 4px rgb(190, 98, 29);  
box-shadow:4px 4px 4px 4px rgb(190, 98,  
29) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7712, 0.5247, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(190, 98, 29) }
```

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

```
.background{ background-color: rgb(190, 98,  
29) }
```

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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