

Converting Colors

$Y_{xy}(19.5432, 0.5125, 0.3665)$

Have a look what the booklet for
Yxy(19.5432, 0.5125, 0.3665)
contains.

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Color

Yxy(19.5337, 0.5121, 0.3665)

Conversions

Conversions Part 1

Format	Color
Hex	C45B3B
RGB	196, 91, 59
RGB Percent	77%, 36%, 23%
CMY	0.2314, 0.6431, 0.7686
CMYK	0.00, 0.54, 0.70, 0.23
HSL	14°, 54%, 50%
HSV	14°, 70%, 77%
XYZ	27.2939, 19.5337, 6.4704
YIQ	118.7470, 72.8520, 12.3080

Conversions

Conversions Part 2

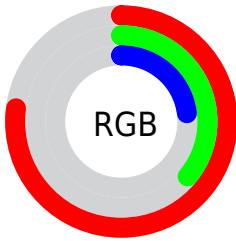
Format	Color
R _Y B	196, 101, 59
Decimal	12868411
CIE Lab	51.31, 39.76, 38.00
CIE LCh	51, 54.998, 43.701
Yxy	19.5337, 0.5121, 0.3665
Android (android.graphics.Color)	4291058491 (0xFFC45B3B)
YUV	118.7470, -29.4553, 67.7509
Hunter-Lab	44.1969, 32.8883, 22.2579

Details

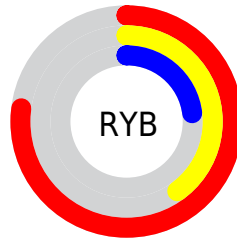
The Yxy color **19.5337, 0.5121, 0.3665** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **31.4607, 0.2207, 0.2773**, and the grayscale version is **18.4428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.2892, 0.4660, 0.3655**, and **6.7809, 0.5819, 0.3592** is the 20% darker color. If you saturate the color by 10%, you get **17.0517, 0.5512, 0.3654**, and if you desaturate by 10%, it is **22.6082, 0.4724, 0.3643**.

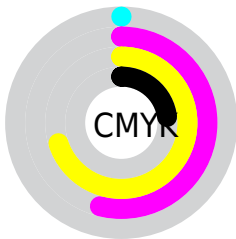
Distribution



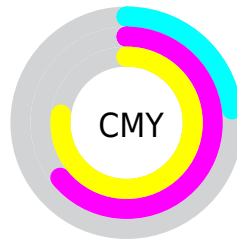
- Red (77%)
- Green (36%)
- Blue (23%)



- Red (77%)
- Yellow (40%)
- Blue (23%)



- Cyan (0%)
- Magenta (54%)
- Yellow (70%)
- Black (23%)





- Cyan (23%)
- Magenta (64%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5337, 0.5121, 0.3665 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 19.5337, 0.5121, 0.3665 by changing the saturation by 10% instead.


 19.5337, 0.5121,
0.3665


 19.5337, 0.5121,
0.3665


249.3795, 0.3999,
0.3546


 12.0565, 0.5426,
0.3648


 42.6340, 0.4689,
0.3650


 6.7822, 0.5818,
0.3587


 59.0259, 0.4533,
0.3635


 3.3263, 0.6484,
0.3516

 79.1583, 0.4405,
0.3619

 1.3043, 0.6947,
0.3053

 103.4154, 0.4297,
0.3602

 0.1446, 0.8872,
0.1128

 132.1816, 0.4205,
0.3587

 0.0000, 1.0000,
0.0000

 165.8415, 0.4127,

 0.0000, 0.0000,

0.3572

0.0000

204.7793, 0.4058,
0.3559

■ 19.5337, 0.5121,
0.3665

■ 19.5337, 0.5121,
0.3665

■ 17.0517, 0.5512,
0.3654

■ 22.6082, 0.4724,
0.3643

■ 15.1190, 0.5853,
0.3604

■ 26.3078, 0.4351,
0.3597

■ 13.6853, 0.6115,
0.3525

■ 30.6666, 0.4020,
0.3539

■ 13.6723, 0.6118,
0.3525

■ 35.7152, 0.3735,
0.3474

■ 41.4822, 0.3494,
0.3410

■ 47.9944, 0.3293,
0.3348

■ 55.2775, 0.3126,
0.3289

■ 63.3559, 0.2986,
0.3236

■ 72.2526, 0.2870,
0.3187

Harmonies

Analogous

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



19.5337, 0.4725, 0.2994



19.5337, 0.5121, 0.3665



19.5337, 0.4856, 0.4373

Triad

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



19.5337, 0.5121, 0.3665



19.5337, 0.2333, 0.4484



19.5337, 0.1980, 0.1826

Complementary

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



19.5337, 0.5121, 0.3665



31.4607, 0.2207, 0.2773

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.



19.5337, 0.1563, 0.1938



19.5337, 0.5121, 0.3665



19.5337, 0.1712, 0.3318

Square

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



19.5337, 0.5121, 0.3665



19.5337, 0.3227, 0.5173



19.5337, 0.1469, 0.2405



19.5337, 0.2744, 0.1996

Rectangle

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



19.5337, 0.5121, 0.3665



19.5337, 0.4414, 0.4818



19.5337, 0.1469, 0.2405



19.5337, 0.1804, 0.1830

Sweetspot

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



19.5348, 0.5121, 0.3665



73.5721, 0.3526, 0.3419



17.5445, 0.3631, 0.2053



15.1031, 0.3591, 0.3437



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.



19.5348, 0.5121, 0.3665



28.8748, 0.5706, 0.3632



37.0057, 0.4372, 0.4490



10.4514, 0.3283, 0.3344



8.8975, 0.6095, 0.3543



0.4940, 0.5649, 0.3897

Inverse Universe

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



31.4607, 0.2207, 0.2773



51.3274, 0.2097, 0.2639



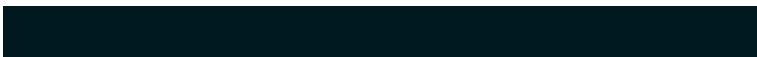
13.1965, 0.1916, 0.1589



11.0165, 0.2984, 0.3235



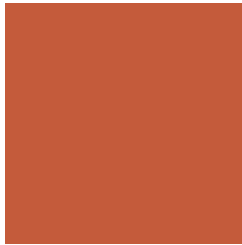
16.7553, 0.2035, 0.2526



0.8233, 0.2088, 0.2716

Previews

White Background



This preview shows how the Yxy color 19.5337, 0.5121, 0.3665 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 19.5337, 0.5121, 0.3665 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 19.5337, 0.5121, 0.3665

Background



This preview shows how black text looks on a background with the Yxy color 19.5337, 0.5121, 0.3665.



This preview shows how white text looks on a background with the Yxy color 19.5337, 0.5121, 0.3665.

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

19.5337, 0.5121, 0.3665

Protanopia

19.7590, 0.3902, 0.4241

Deuteranopia

19.6550, 0.4364, 0.4299



Tritanopia

19.6125, 0.4707, 0.3220

Trichromacy



Original Color

19.5337, 0.5121, 0.3665

Protanomaly

18.9303, 0.4356, 0.4008

Deuteranomaly

19.3258, 0.4654, 0.4051

Tritanomaly

19.4438, 0.4869, 0.3381

Monochromacy



Original Color

19.5337, 0.5121, 0.3665

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.0034, 0.3824, 0.3502

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5337, 0.5121, 0.3665 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(196, 91, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 91, 59)  
}
```

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(196, 91, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 91, 59) }
```

Border

The CSS property to change the border of an element to Yxy 19.5337, 0.5121, 0.3665 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(196, 91, 59) }
```

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

```
.border{ border-color:rgb(196, 91, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 91, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 91, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 91, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 91,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5337, 0.5121, 0.3665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 91, 59) }
```

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

```
.background{ background-color: rgb(196, 91,  
59) }
```

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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