

Converting Colors

$Y_{xy}(19.5710, 0.5185, 0.3550)$

Have a look what the booklet for
Yxy(19.5710, 0.5185, 0.3550)
contains.

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Color

Yxy(19.5710, 0.5185, 0.3550)

Conversions

Conversions Part 1

Format	Color
Hex	CA563F
RGB	202, 86, 63
RGB Percent	79%, 34%, 25%
CMY	0.2078, 0.6628, 0.7529
CMYK	0.00, 0.57, 0.69, 0.21
HSL	10°, 57%, 52%
HSV	10°, 69%, 79%
XYZ	28.5847, 19.5710, 6.9739
YIQ	118.0620, 76.5190, 17.4390

Conversions

Conversions Part 2

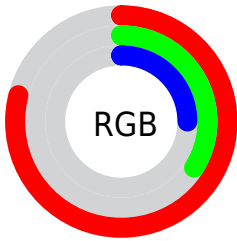
Format	Color
R _Y B	202, 91, 63
Decimal	13260351
CIE Lab	51.35, 44.70, 36.10
CIE LCh	51, 57.453, 38.925
Yxy	19.5710, 0.5185, 0.3550
Android (android.graphics.Color)	4291450431 (0xFFCA563F)
YUV	118.0620, -27.1456, 73.6136
Hunter-Lab	44.2391, 37.9176, 21.6209

Details

The Yxy color **19.5710, 0.5185, 0.3550** 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 **37.5695, 0.2252, 0.2935**, and the grayscale version is **18.2060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8951, 0.4655, 0.3565**, and **6.8275, 0.5927, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **17.0042, 0.5603, 0.3538**, and if you desaturate by 10%, it is **22.8578, 0.4760, 0.3536**.

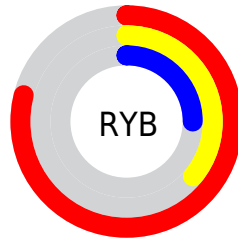
Distribution



Red (79%)

Green (34%)

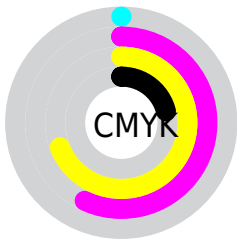
Blue (25%)



Red (79%)

Yellow (36%)

Blue (25%)

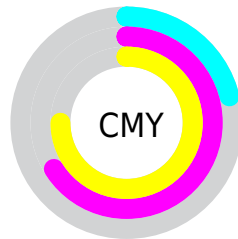


Cyan (0%)

Magenta (57%)

Yellow (69%)

Black (21%)



Cyan (21%)


Magenta (66%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5710, 0.5185, 0.3550 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 19.5710, 0.5185, 0.3550 by changing the saturation by 10% instead.


 19.5710, 0.5185,
0.3550


 19.5710, 0.5185,
0.3550


249.5831, 0.4024,
0.3496


 12.0836, 0.5503,
0.3517


 42.6968, 0.4737,
0.3560

 6.8006, 0.5915,
0.3436


 59.1039, 0.4576,
0.3553


 3.3377, 0.6614,
0.3336

 79.2530, 0.4443,
0.3544

 1.3105, 0.7137,
0.2863

 103.5286, 0.4331,
0.3535

 0.1493, 0.8968,
0.1032

 132.3150, 0.4237,
0.3524

 0.0000, 1.0000,
0.0000

 165.9967, 0.4156,

 0.0000, 0.0000,

0.3514

0.0000

204.9579, 0.4085,
0.3505

■ 19.5710, 0.5185,
0.3550

■ 19.5710, 0.5185,
0.3550

■ 17.0042, 0.5603,
0.3538

■ 22.8578, 0.4760,
0.3536

■ 15.0992, 0.5961,
0.3495

■ 26.9103, 0.4364,
0.3504

■ 13.7902, 0.6217,
0.3431

■ 31.7743, 0.4017,
0.3463

■ 13.6691, 0.6243,
0.3425

■ 37.4911, 0.3722,
0.3417

■ 44.0990, 0.3477,
0.3371

■ 51.6340, 0.3275,
0.3326

■ 60.1302, 0.3109,
0.3285

■ 69.6198, 0.2972,
0.3248

■ 80.1337, 0.2859,
0.3213

Harmonies

Analogous

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



19.5710, 0.4666, 0.2873



19.5710, 0.5185, 0.3550



19.5710, 0.4996, 0.4277

Triad

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



19.5710, 0.5185, 0.3550



19.5710, 0.2430, 0.4717



19.5710, 0.1847, 0.1775

Complementary

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



19.5710, 0.5185, 0.3550



37.5695, 0.2252, 0.2935

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.



19.5710, 0.1475, 0.1937



19.5710, 0.5185, 0.3550



19.5710, 0.1734, 0.3504

Square

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



19.5710, 0.5185, 0.3550



19.5710, 0.3374, 0.5287



19.5710, 0.1429, 0.2482



19.5710, 0.2577, 0.1907

Rectangle

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



19.5710, 0.5185, 0.3550



19.5710, 0.4573, 0.4758



19.5710, 0.1429, 0.2482



19.5710, 0.1686, 0.1793

Sweetspot

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



19.5721, 0.5185, 0.3550



71.7435, 0.3534, 0.3382



19.4564, 0.3460, 0.1952



14.6756, 0.3601, 0.3395



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.



19.5721, 0.5185, 0.3550



26.9369, 0.5805, 0.3519



35.8173, 0.4465, 0.4357



11.5085, 0.3286, 0.3329



8.8831, 0.6224, 0.3440



0.5542, 0.5879, 0.3714

Inverse Universe

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



37.5695, 0.2252, 0.2935



58.9231, 0.2155, 0.2844



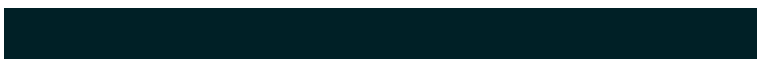
16.8343, 0.1976, 0.1801



12.3988, 0.2983, 0.3251



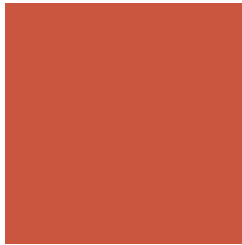
21.0169, 0.2100, 0.2759



1.1704, 0.2131, 0.2873

Previews

White Background



This preview shows how the Yxy color 19.5710, 0.5185, 0.3550 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 19.5710, 0.5185, 0.3550 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 19.5710, 0.5185, 0.3550

Background



This preview shows how black text looks on a background with the Yxy color 19.5710, 0.5185, 0.3550.



This preview shows how white text looks on a background with the Yxy color 19.5710, 0.5185, 0.3550.

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

19.5710, 0.5185, 0.3550

Protanopia

19.7561, 0.3822, 0.4145

Deuteranopia

19.6934, 0.4325, 0.4248



Tritanopia

19.5876, 0.4871, 0.3236

Trichromacy



Original Color

19.5710, 0.5185, 0.3550

Protanomaly

18.9777, 0.4332, 0.3912

Deuteranomaly

19.1699, 0.4659, 0.3965

Tritanomaly

19.6017, 0.4997, 0.3353

Monochromacy



Original Color

19.5710, 0.5185, 0.3550

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.5795, 0.3855, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5710, 0.5185, 0.3550 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(202, 86, 63)` looks like.

```
.text, #text, p{  
    color:rgb(202, 86, 63)  
}
```

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(202, 86, 63) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 86, 63) }
```

Border

The CSS property to change the border of an element to Yxy 19.5710, 0.5185, 0.3550 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(202, 86, 63) }
```

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

```
.border{ border-color:rgb(202, 86, 63) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 86, 63)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 86, 63); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 86, 63);  
box-shadow:4px 4px 4px 4px rgb(202, 86,  
63) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5710, 0.5185, 0.3550 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 86, 63) }
```

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

```
.background{ background-color: rgb(202, 86,  
63) }
```

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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