

Converting Colors

$Yxy(19.8299, 0.5228, 0.3566)$

Have a look what the booklet for
Yxy(19.8299, 0.5228, 0.3566)
contains.

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Color

Yxy(19.8299, 0.5228, 0.3566)

Conversions

Conversions Part 1

Format	Color
Hex	CC563D
RGB	204, 86, 61
RGB Percent	80%, 34%, 24%
CMY	0.2000, 0.6627, 0.7609
CMYK	0.00, 0.58, 0.70, 0.20
HSL	11°, 58%, 52%
HSV	11°, 70%, 80%
XYZ	29.0720, 19.8299, 6.7064
YIQ	118.4320, 78.3530, 17.2410

Conversions

Conversions Part 2

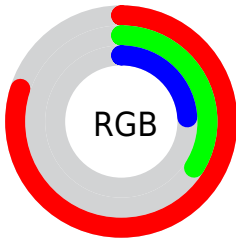
Format	Color
R_{YB}	204, 91, 61
Decimal	13391421
CIE _{Lab}	51.64, 45.31, 37.64
CIE _{LCh}	52, 58.911, 39.717
Yxy	19.8299, 0.5228, 0.3566
Android (android.graphics.Color)	4291581501 (0xFFCC563D)
YUV	118.4320, -28.3140, 75.0431
Hunter-Lab	44.5308, 38.6052, 22.2424

Details

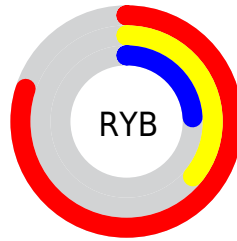
The Yxy color **19.8299, 0.5228, 0.3566** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted red. A complement of this color would be **37.5791, 0.2237, 0.2905**, and the grayscale version is **18.3318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.8294, 0.4686, 0.3594**, and **6.9101, 0.5956, 0.3448** is the 20% darker color. If you saturate the color by 10%, you get **17.2729, 0.5639, 0.3550**, and if you desaturate by 10%, it is **23.1054, 0.4805, 0.3554**.

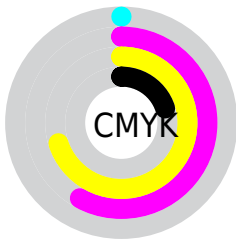
Distribution



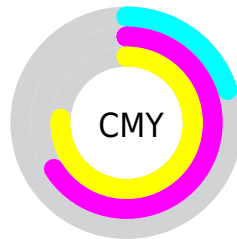
- Red (80%)
- Green (34%)
- Blue (24%)



- Red (80%)
- Yellow (36%)
- Blue (24%)



- Cyan (0%)
- Magenta (58%)
- Yellow (70%)
- Black (20%)





- Cyan (20%)
- Magenta (66%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.8299, 0.5228, 0.3566 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 19.8299, 0.5228, 0.3566 by changing the saturation by 10% instead.


 19.8299, 0.5228,
0.3566


 19.8299, 0.5228,
0.3566


250.9928, 0.4048,
0.3509

 12.2715, 0.5547,
0.3531


 43.1318, 0.4775,
0.3576


 6.9288, 0.5957,
0.3446


 59.6441, 0.4611,
0.3570

 3.4176, 0.6655,
0.3345

 79.9097, 0.4476,
0.3560

 1.3535, 0.7142,
0.2858

 104.3132, 0.4362,
0.3550

 0.1820, 0.8819,
0.1181

 133.2388, 0.4266,
0.3539

 0.0000, 1.0000,
0.0000

 167.0710, 0.4183,

 0.0000, 0.0000,

0.3529

0.0000

206.1942, 0.4111,
0.3519

■ 19.8299, 0.5228,
0.3566

■ 19.8299, 0.5228,
0.3566

■ 17.2729, 0.5639,
0.3550

■ 23.1054, 0.4805,
0.3554

■ 15.3759, 0.5985,
0.3502

■ 27.1454, 0.4407,
0.3522

■ 14.0816, 0.6229,
0.3436

■ 31.9956, 0.4055,
0.3479

■ 37.6973, 0.3756,
0.3430

■ 44.2891, 0.3506,
0.3382

■ 51.8068, 0.3299,
0.3334

■ 60.2846, 0.3129,
0.3290

■ 69.7548, 0.2989,
0.3250

■ 80.2483, 0.2873,
0.3213

Harmonies

Analogous

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



19.8299, 0.4720, 0.2880



19.8299, 0.5228, 0.3566



19.8299, 0.5013, 0.4305

Triad

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



19.8299, 0.5228, 0.3566



19.8299, 0.2390, 0.4723



19.8299, 0.1841, 0.1751

Complementary

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



19.8299, 0.5228, 0.3566



37.5791, 0.2237, 0.2905

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.



19.8299, 0.1456, 0.1905



19.8299, 0.5228, 0.3566



19.8299, 0.1695, 0.3472

Square

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



19.8299, 0.5228, 0.3566



19.8299, 0.3345, 0.5328



19.8299, 0.1399, 0.2443



19.8299, 0.2590, 0.1893

Rectangle

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



19.8299, 0.5228, 0.3566



19.8299, 0.4572, 0.4796



19.8299, 0.1399, 0.2443



19.8299, 0.1674, 0.1767

Sweetspot

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



19.8310, 0.5228, 0.3566



71.9985, 0.3532, 0.3387



19.4744, 0.3500, 0.1957



14.7351, 0.3599, 0.3401



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.



19.8310, 0.5228, 0.3566



26.9086, 0.5822, 0.3530



37.0610, 0.4469, 0.4395



11.5258, 0.3286, 0.3331



8.9592, 0.6209, 0.3452



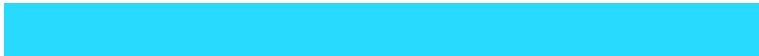
0.5622, 0.5854, 0.3734

Inverse Universe

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



37.5791, 0.2237, 0.2905



57.5768, 0.2143, 0.2810



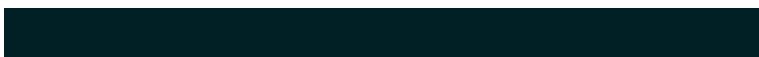
16.2138, 0.1947, 0.1729



12.3799, 0.2983, 0.3248



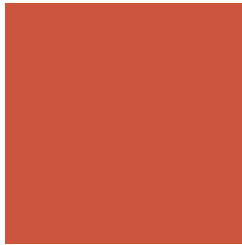
20.5617, 0.2091, 0.2726



1.1508, 0.2124, 0.2848

Previews

White Background



This preview shows how the Yxy color 19.8299, 0.5228, 0.3566 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 19.8299, 0.5228, 0.3566 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 19.8299, 0.5228, 0.3566

Background



This preview shows how black text looks on a background with the Yxy color 19.8299, 0.5228, 0.3566.



This preview shows how white text looks on a background with the Yxy color 19.8299, 0.5228, 0.3566.

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

19.8299, 0.5228, 0.3566

Protanopia

20.0606, 0.3851, 0.4190

Deuteranopia

19.9955, 0.4356, 0.4295



Tritanopia

19.8702, 0.4892, 0.3237

Trichromacy



Original Color

19.8299, 0.5228, 0.3566

Protanomaly

19.0551, 0.4370, 0.3937

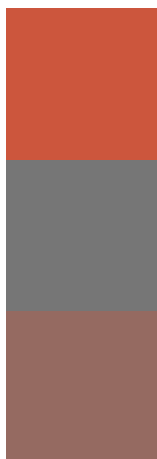
Deuteranomaly

19.3741, 0.4705, 0.3980

Tritanomaly

19.8698, 0.5032, 0.3364

Monochromacy



Original Color

19.8299, 0.5228, 0.3566

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.5607, 0.3869, 0.3448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.8299, 0.5228, 0.3566 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(204, 86, 61)` looks like.

```
.text, #text, p{  
    color:rgb(204, 86, 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(204, 86, 61) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 86, 61) }
```

Border

The CSS property to change the border of an element to Yxy 19.8299, 0.5228, 0.3566 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(204, 86, 61) }
```

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

```
.border{ border-color:rgb(204, 86, 61) }
```

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

Here you see how a box with a 4 pixel rgb(204, 86, 61) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 86, 61); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 86, 61);  
box-shadow:4px 4px 4px 4px rgb(204, 86,  
61) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 19.8299, 0.5228, 0.3566$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 86, 61) }
```

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

```
.background{ background-color: rgb(204, 86,  
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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