

Converting Colors

$Y_{xy}(21.6478, 0.4986, 0.3597)$

Have a look what the booklet for
Yxy(21.6478, 0.4986, 0.3597)
contains.

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Color

Yxy(21.7008, 0.4981, 0.3598)

Conversions

Conversions Part 1

Format	Color
Hex	CB6147
RGB	203, 97, 71
RGB Percent	80%, 38%, 28%
CMY	0.2039, 0.6196, 0.7215
CMYK	0.00, 0.52, 0.65, 0.20
HSL	12°, 56%, 54%
HSV	12°, 65%, 80%
XYZ	30.0422, 21.7008, 8.5705
YIQ	125.7300, 71.5220, 14.3860

Conversions

Conversions Part 2

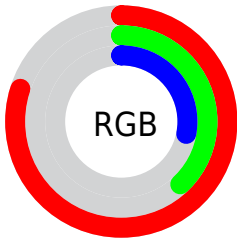
Format	Color
R_{YB}	203, 103, 71
Decimal	13328711
CIE _{Lab}	53.71, 40.13, 34.47
CIE _{LCh}	54, 52.901, 40.667
Yxy	21.7008, 0.4981, 0.3598
Android (android.graphics.Color)	4291518791 (0xFFCB6147)
YUV	125.7300, -26.9819, 67.7658
Hunter-Lab	46.5841, 33.5927, 21.7007

Details

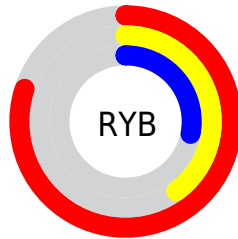
The Yxy color **21.7008, 0.4981, 0.3598** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **37.1078, 0.2268, 0.2891**, and the grayscale version is **20.8439, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.4288, 0.4501, 0.3601**, and **7.8682, 0.5627, 0.3545** is the 20% darker color. If you saturate the color by 10%, you get **18.7735, 0.5396, 0.3600**, and if you desaturate by 10%, it is **25.3367, 0.4576, 0.3571**.

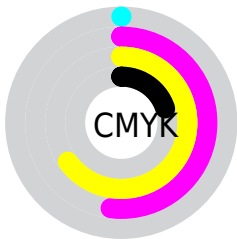
Distribution



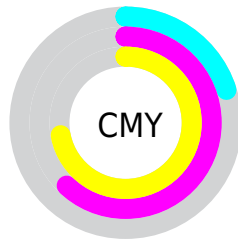
- Red (80%)
- Green (38%)
- Blue (28%)



- Red (80%)
- Yellow (40%)
- Blue (28%)



- Cyan (0%)
- Magenta (52%)
- Yellow (65%)
- Black (20%)



- Cyan (20%)
- Magenta (62%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.7008, 0.4981, 0.3598 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 21.7008, 0.4981, 0.3598 by changing the saturation by 10% instead.

 21.7008, 0.4981,
0.3598

 21.7008, 0.4981,
0.3598


260.9798, 0.3945,
0.3502


 13.6372, 0.5265,
0.3586


 46.2510, 0.4583,
0.3585


 7.8688, 0.5634,
0.3542


 63.5064, 0.4439,
0.3573


 4.0111, 0.6166,
0.3449

 84.5945, 0.4320,
0.3560

 1.6798, 0.6829,
0.3171

 109.8997, 0.4221,
0.3547

 0.4105, 0.7837,
0.2163

 139.8065, 0.4136,
0.3535

 0.0000, 1.0000,
0.0000

174.6991, 0.4064,

 0.0000, 0.0000,

0.3523

0.0000

214.9621, 0.4000,
0.3512

■ 21.7008, 0.4981,
0.3598

■ 21.7008, 0.4981,
0.3598

■ 18.7735, 0.5396,
0.3600

■ 25.3367, 0.4576,
0.3571

■ 16.5041, 0.5777,
0.3567

■ 29.7206, 0.4208,
0.3527

■ 14.8403, 0.6074,
0.3501

■ 34.8929, 0.3889,
0.3474

■ 14.2117, 0.6191,
0.3466

■ 40.8900, 0.3619,
0.3419

■ 47.7463, 0.3394,
0.3365

■ 55.4939, 0.3208,
0.3314

■ 64.1635, 0.3054,
0.3267

■ 73.7841, 0.2927,
0.3223

■ 84.3835, 0.2821,
0.3184

Harmonies

Analogous

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



21.7008, 0.4542, 0.2960



21.7008, 0.4981, 0.3598



21.7008, 0.4806, 0.4266

Triad

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



21.7008, 0.4981, 0.3598



21.7008, 0.2471, 0.4484



21.7008, 0.1994, 0.1906

Complementary

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



21.7008, 0.4981, 0.3598



37.1078, 0.2268, 0.2891

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.



21.7008, 0.1626, 0.2049



21.7008, 0.4981, 0.3598



21.7008, 0.1844, 0.3431

Square

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



21.7008, 0.4981, 0.3598



21.7008, 0.3328, 0.5047



21.7008, 0.1570, 0.2539



21.7008, 0.2687, 0.2041

Rectangle

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



21.7008, 0.4981, 0.3598



21.7008, 0.4423, 0.4682



21.7008, 0.1570, 0.2539



21.7008, 0.1836, 0.1920

Sweetspot

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



21.7020, 0.4981, 0.3598



73.7320, 0.3507, 0.3394



20.4537, 0.3497, 0.2043



15.0968, 0.3573, 0.3409



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.



21.7020, 0.4981, 0.3598



29.7756, 0.5556, 0.3591



38.7158, 0.4347, 0.4366



11.5652, 0.3285, 0.3336



9.1469, 0.6171, 0.3483



0.5803, 0.5798, 0.3779

Inverse Universe

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



37.1078, 0.2268, 0.2891



57.0997, 0.2160, 0.2791



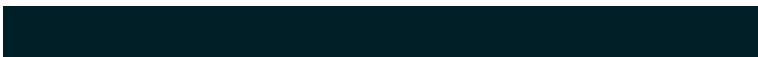
17.4223, 0.2017, 0.1824



12.3372, 0.2983, 0.3243



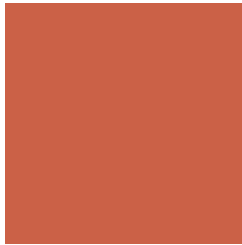
19.5538, 0.2070, 0.2652



1.1071, 0.2108, 0.2790

Previews

White Background



This preview shows how the Yxy color 21.7008, 0.4981, 0.3598 looks on a white background.

Color Contrast Check

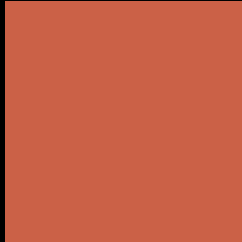
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7008, 0.4981, 0.3598 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 21.7008, 0.4981, 0.3598

Background



This preview shows how black text looks on a background with the Yxy color 21.7008, 0.4981, 0.3598.



This preview shows how white text looks on a background with the Yxy color 21.7008, 0.4981, 0.3598.

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

21.7008, 0.4981, 0.3598

Protanopia

21.9005, 0.3783, 0.4096

Deuteranopia

21.8284, 0.4247, 0.4182



Tritanopia

21.7279, 0.4636, 0.3209

Trichromacy



Original Color

21.7008, 0.4981, 0.3598

Protanomaly

21.0736, 0.4220, 0.3887

Deuteranomaly

21.4507, 0.4516, 0.3952

Tritanomaly

21.5640, 0.4778, 0.3355

Monochromacy



Original Color

21.7008, 0.4981, 0.3598

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.1721, 0.3764, 0.3442

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.7008, 0.4981, 0.3598 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(203, 97, 71)` looks like.

```
.text, #text, p{  
    color:rgb(203, 97, 71)  
}
```

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(203, 97, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 97, 71) }
```

Border

The CSS property to change the border of an element to Yxy 21.7008, 0.4981, 0.3598 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(203, 97, 71) }
```

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

```
.border{ border-color:rgb(203, 97, 71) }
```

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

Here you see how a box with a 4 pixel rgb(203, 97, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 97, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 97, 71);  
box-shadow:4px 4px 4px 4px rgb(203, 97,  
71) }
```


Background

The CSS property to change the background color of an element to Yxy 21.7008, 0.4981, 0.3598 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 97, 71) }
```

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

```
.background{ background-color: rgb(203, 97,  
71) }
```

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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