

Converting Colors

$Y_{xy}(21.9725, 0.4585, 0.3345)$

Have a look what the booklet for
Yxy(21.9725, 0.4585, 0.3345)
contains.

Yxy(21.8920, 0.4597, 0.3345)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(21.8920, 0.4597, 0.3345)

Conversions

Conversions Part 1

Format	Color
Hex	C7635F
RGB	199, 99, 95
RGB Percent	78%, 39%, 37%
CMY	0.2195, 0.6118, 0.6274
CMYK	0.00, 0.50, 0.52, 0.22
HSL	2°, 48%, 58%
HSV	2°, 52%, 78%
XYZ	30.0860, 21.8920, 13.4690
YIQ	128.4440, 60.8840, 19.9560

Conversions

Conversions Part 2

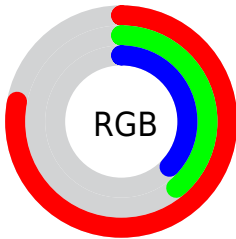
Format	Color
R _Y B	199, 99, 95
Decimal	13067103
CIE Lab	53.91, 39.41, 20.89
CIE LCh	54, 44.604, 27.921
Yxy	21.8920, 0.4597, 0.3345
Android (android.graphics.Color)	4291257183 (0xFFC7635F)
YUV	128.4440, -16.4879, 61.8776
Hunter-Lab	46.7889, 32.8976, 15.6846

Details

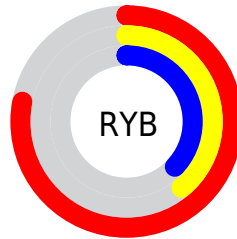
The Yxy color **21.8920, 0.4597, 0.3345** is a dark color, and the websafe version is hex **CC6666**. The color can be described as dark muted orange. A complement of this color would be **45.6108, 0.2447, 0.3230**, and the grayscale version is **21.7913, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.7608, 0.4236, 0.3367**, and **7.9984, 0.5166, 0.3281** is the 20% darker color. If you saturate the color by 10%, you get **18.3697, 0.5051, 0.3351**, and if you desaturate by 10%, it is **26.3686, 0.4193, 0.3336**.

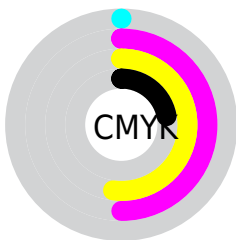
Distribution



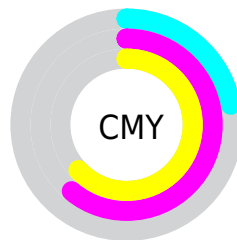
- Red (78%)
- Green (39%)
- Blue (37%)



- Red (78%)
- Yellow (39%)
- Blue (37%)



- Cyan (0%)
- Magenta (50%)
- Yellow (52%)
- Black (22%)




- Cyan (22%)
- Magenta (61%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8920, 0.4597, 0.3345 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 21.8920, 0.4597, 0.3345 by changing the saturation by 10% instead.


 21.8920, 0.4597,
0.3345

 21.8920, 0.4597,
0.3345


261.9818, 0.3765,
0.3353

 13.7776, 0.4838,
0.3324


 46.5674, 0.4270,
0.3360


 7.9661, 0.5166,
0.3282


 63.8972, 0.4155,
0.3361

 4.0733, 0.5633,
0.3192

 85.0676, 0.4060,
0.3361

 1.7146, 0.6526,
0.3084

 110.4629, 0.3982,
0.3360

 0.4331, 0.7752,
0.2248

140.4676, 0.3915,
0.3359

 0.0000, 1.0000,
0.0000

175.4660, 0.3858,

 0.0000, 0.0000,

0.3357

0.0000

215.8426, 0.3808,
0.3355

■ 21.8920, 0.4597,
0.3345

■ 21.8920, 0.4597,
0.3345

■ 18.3697, 0.5051,
0.3351

■ 26.3686, 0.4193,
0.3336

■ 15.7292, 0.5518,
0.3350

■ 31.8580, 0.3851,
0.3325

■ 13.8937, 0.5937,
0.3342

■ 38.4183, 0.3571,
0.3313

■ 12.7711, 0.6238,
0.3327

■ 46.1021, 0.3345,
0.3302

■ 12.3106, 0.6376,
0.3320

■ 54.9584, 0.3163,
0.3292

■ 65.0337, 0.3017,
0.3283

■ 76.3716, 0.2898,
0.3274

■ 89.0136, 0.2802,
0.3267

■ 90.8855, 0.2800,
0.3289

Harmonies

Analogous

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



21.8920, 0.4026, 0.2800



21.8920, 0.4597, 0.3345



21.8920, 0.4687, 0.3929

Triad

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



21.8920, 0.4597, 0.3345



21.8920, 0.2889, 0.4544



21.8920, 0.1976, 0.2112

Complementary

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



21.8920, 0.4597, 0.3345



45.6108, 0.2447, 0.3230

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.



21.8920, 0.1766, 0.2375



21.8920, 0.4597, 0.3345



21.8920, 0.2233, 0.3797

Square

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



21.8920, 0.4597, 0.3345



21.8920, 0.3652, 0.4766



21.8920, 0.1845, 0.2956



21.8920, 0.2469, 0.2125

Rectangle

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



21.8920, 0.4597, 0.3345



21.8920, 0.4481, 0.4302



21.8920, 0.1845, 0.2956



21.8920, 0.1874, 0.2167

Sweetspot

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



21.8932, 0.4597, 0.3345



75.1137, 0.3429, 0.3307



24.2975, 0.3224, 0.2085



15.4764, 0.3476, 0.3309



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.



21.8932, 0.4597, 0.3345



31.2830, 0.5129, 0.3351



34.9399, 0.4199, 0.4007



10.7008, 0.3289, 0.3299



7.9431, 0.6369, 0.3325



0.3993, 0.6257, 0.3414

Inverse Universe

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



45.6108, 0.2447, 0.3230



77.2835, 0.2352, 0.3215



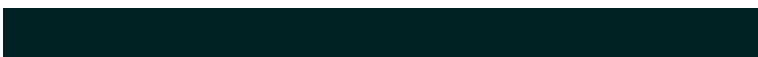
26.3691, 0.2285, 0.2416



11.9953, 0.2984, 0.3281



26.7530, 0.2214, 0.3171



1.2889, 0.2222, 0.3197

Previews

White Background



This preview shows how the Yxy color 21.8920, 0.4597, 0.3345 looks on a white background.

Color Contrast Check

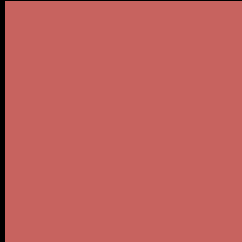
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8920, 0.4597, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

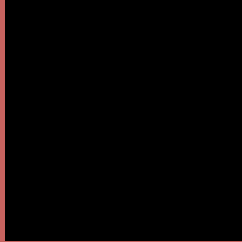
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.8920, 0.4597, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 21.8920, 0.4597, 0.3345.



This preview shows how white text looks on a background with the Yxy color 21.8920, 0.4597, 0.3345.

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

21.8920, 0.4597, 0.3345

Protanopia

22.0389, 0.3436, 0.3647

Deuteranopia

22.0407, 0.3904, 0.3838



Tritanopia

22.0142, 0.4484, 0.3217

Trichromacy



Original Color

21.8920, 0.4597, 0.3345

Protanomaly

21.3273, 0.3841, 0.3520

Deuteranomaly

21.5802, 0.4161, 0.3645

Tritanomaly

21.9543, 0.4529, 0.3256

Monochromacy



Original Color

21.8920, 0.4597, 0.3345

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

20.8536, 0.3623, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8920, 0.4597, 0.3345 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(199, 99, 95)` looks like.

```
.text, #text, p{  
    color:rgb(199, 99, 95)  
}
```

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(199, 99, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(199, 99, 95) }
```

Border

The CSS property to change the border of an element to Yxy 21.8920, 0.4597, 0.3345 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(199, 99, 95) }
```

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

```
.border{ border-color:rgb(199, 99, 95) }
```

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

Here you see how a box with a 4 pixel rgb(199, 99, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(199, 99, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(199, 99, 95);  
box-shadow:4px 4px 4px 4px rgb(199, 99,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8920, 0.4597, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(199, 99, 95) }
```

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

```
.background{ background-color: rgb(199, 99,  
95) }
```

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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