

Converting Colors

$Y_{xy}(21.2221, 0.4981, 0.3859)$

Have a look what the booklet for
Yxy(21.2221, 0.4981, 0.3859)
contains.

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Color

Yxy(21.1925, 0.4974, 0.3861)

Conversions

Conversions Part 1

Format	Color
Hex	C06738
RGB	192, 103, 56
RGB Percent	75%, 40%, 22%
CMY	0.2471, 0.5960, 0.7803
CMYK	0.00, 0.46, 0.71, 0.25
HSL	21°, 55%, 49%
HSV	21°, 71%, 75%
XYZ	27.3016, 21.1925, 6.3945
YIQ	124.2530, 68.1310, 4.2510

Conversions

Conversions Part 2

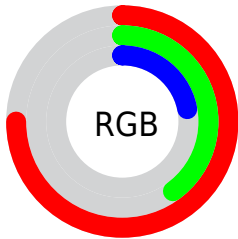
Format	Color
RYB	192, 128, 56
Decimal	12609336
CIELab	53.16, 31.80, 41.50
CIElCh	53, 52.284, 52.537
Yxy	21.1925, 0.4974, 0.3861
Android (android.graphics.Color)	4290799416 (0xFFC06738)
YUV	124.2530, -33.6487, 59.4141
Hunter-Lab	46.0353, 25.2990, 23.9891

Details

The Yxy color **21.1925, 0.4974, 0.3861** 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 **24.8973, 0.2133, 0.2497**, and the grayscale version is **20.3436, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3453, 0.4590, 0.3799**, and **7.6402, 0.5581, 0.3866** is the 20% darker color. If you saturate the color by 10%, you get **18.7257, 0.5314, 0.3863**, and if you desaturate by 10%, it is **24.1092, 0.4627, 0.3819**.

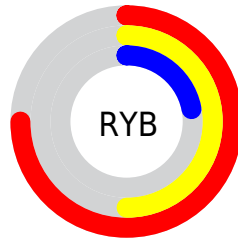
Distribution



Red (75%)

Green (40%)

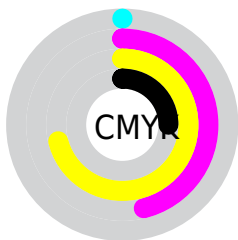
Blue (22%)



Red (75%)

Yellow (50%)

Blue (22%)

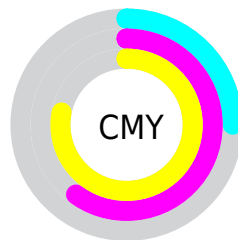


Cyan (0%)

Magenta (46%)

Yellow (71%)

Black (25%)



Cyan (25%)


Magenta (60%)


Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.1925, 0.4974, 0.3861 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 21.1925, 0.4974, 0.3861 by changing the saturation by 10% instead.


 21.1925, 0.4974,
0.3861


 21.1925, 0.4974,
0.3861

258.2998, 0.3953,
0.3630


 13.2648, 0.5242,
0.3877


 45.4077, 0.4587,
0.3802

 7.6111, 0.5581,
0.3860


 62.4640, 0.4446,
0.3771


 3.8471, 0.6147,
0.3853

 83.3319, 0.4328,
0.3742

 1.5884, 0.6516,
0.3484

 108.3958, 0.4229,
0.3715

 0.3498, 0.7649,
0.2351

 138.0402, 0.4144,
0.3691

 0.0000, 1.0000,
0.0000

 172.6493, 0.4072,

 0.0000, 0.0000,

0.3669

0.0000

212.6077, 0.4008,
0.3649

■ 21.1925, 0.4974,
0.3861

■ 21.1925, 0.4974,
0.3861

■ 18.7257, 0.5314,
0.3863

■ 24.1092, 0.4627,
0.3819

■ 16.6800, 0.5617,
0.3815

■ 27.4954, 0.4297,
0.3749

■ 15.1436, 0.5850,
0.3737

■ 31.3735, 0.3996,
0.3662

■ 35.7633, 0.3731,
0.3569

■ 40.6835, 0.3502,
0.3474

■ 46.1516, 0.3306,
0.3383

■ 52.1844, 0.3140,
0.3297

■ 58.7980, 0.2998,
0.3217

■ 66.0078, 0.2878,
0.3143

Harmonies

Analogous

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



21.1925, 0.4782, 0.3207



21.1925, 0.4974, 0.3861



21.1925, 0.4594, 0.4518

Triad

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



21.1925, 0.4974, 0.3861



21.1925, 0.2188, 0.4083



21.1925, 0.2232, 0.1932

Complementary

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



21.1925, 0.4974, 0.3861



24.8973, 0.2133, 0.2497

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.



21.1925, 0.1738, 0.1960



21.1925, 0.4974, 0.3861



21.1925, 0.1698, 0.3035

Square

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



21.1925, 0.4974, 0.3861



21.1925, 0.2978, 0.4913



21.1925, 0.1559, 0.2302



21.1925, 0.3043, 0.2165

Rectangle

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



21.1925, 0.4974, 0.3861



21.1925, 0.4127, 0.4879



21.1925, 0.1559, 0.2302



21.1925, 0.2031, 0.1911

Sweetspot

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



21.1936, 0.4974, 0.3861



73.2415, 0.3513, 0.3479



16.1316, 0.3857, 0.2192



15.1625, 0.3574, 0.3505



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.1936, 0.4974, 0.3861



31.7883, 0.5488, 0.3843



39.9907, 0.4257, 0.4638



10.6344, 0.3280, 0.3370



10.3229, 0.5827, 0.3755



0.5758, 0.5392, 0.4101

Inverse Universe

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



24.8973, 0.2133, 0.2497



38.5410, 0.2000, 0.2291



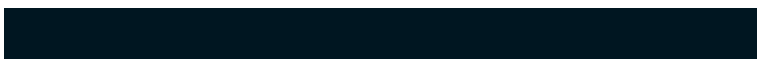
10.1921, 0.1851, 0.1355



10.8234, 0.2984, 0.3209



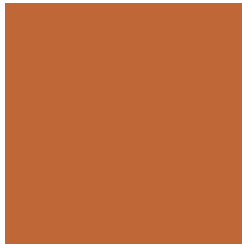
12.6904, 0.1925, 0.2131



0.6728, 0.2005, 0.2419

Previews

White Background



This preview shows how the Yxy color 21.1925, 0.4974, 0.3861 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 21.1925, 0.4974, 0.3861 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 21.1925, 0.4974, 0.3861

Background



This preview shows how black text looks on a background with the Yxy color 21.1925, 0.4974, 0.3861.



This preview shows how white text looks on a background with the Yxy color 21.1925, 0.4974, 0.3861.

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

21.1925, 0.4974, 0.3861

Protanopia

21.4712, 0.4001, 0.4376

Deuteranopia

21.2847, 0.4425, 0.4334



Tritanopia

21.1510, 0.4432, 0.3201

Trichromacy



Original Color

21.1925, 0.4974, 0.3861

Protanomaly

21.0042, 0.4365, 0.4180

Deuteranomaly

20.9496, 0.4637, 0.4142

Tritanomaly

21.0811, 0.4653, 0.3450

Monochromacy



Original Color

21.1925, 0.4974, 0.3861

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

19.7812, 0.3785, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.1925, 0.4974, 0.3861 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(192, 103, 56)` looks like.

```
.text, #text, p{  
    color:rgb(192, 103, 56)  
}
```

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(192, 103, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 103, 56) }
```

Border

The CSS property to change the border of an element to Yxy 21.1925, 0.4974, 0.3861 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(192, 103, 56) }
```

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

```
.border{ border-color:rgb(192, 103, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(192, 103, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 103, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 103, 56);  
box-shadow:4px 4px 4px 4px rgb(192, 103,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 21.1925, 0.4974, 0.3861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 103, 56) }
```

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

```
.background{ background-color: rgb(192,  
103, 56) }
```

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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