

Converting Colors

$Y_{xy}(21.9512, 0.4965, 0.3830)$

Have a look what the booklet for
Yxy(21.9512, 0.4965, 0.3830)
contains.

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Color

Yxy(21.9522, 0.4972, 0.3829)

Conversions

Conversions Part 1

Format	Color
Hex	C4683B
RGB	196, 104, 59
RGB Percent	77%, 41%, 23%
CMY	0.2314, 0.5921, 0.7686
CMYK	0.00, 0.47, 0.70, 0.23
HSL	20°, 54%, 50%
HSV	20°, 70%, 77%
XYZ	28.5052, 21.9522, 6.8740
YIQ	126.3780, 69.2770, 5.5090

Conversions

Conversions Part 2

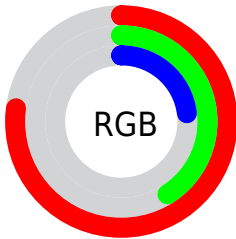
Format	Color
R _Y B	196, 126, 59
Decimal	12871739
CIE Lab	53.98, 33.06, 41.01
CIE LCh	54, 52.678, 51.128
Yxy	21.9522, 0.4972, 0.3829
Android (android.graphics.Color)	4291061819 (0xFFC4683B)
YUV	126.3780, -33.2174, 61.0585
Hunter-Lab	46.8532, 26.6052, 24.0985

Details

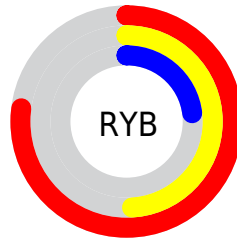
The Yxy color **21.9522, 0.4972, 0.3829** is a dark color, and the websafe version is hex **CC6633**. The color can be described as dark muted orange. A complement of this color would be **27.0517, 0.2152, 0.2549**, and the grayscale version is **21.0985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1196, 0.4573, 0.3777**, and **7.9809, 0.5592, 0.3815** is the 20% darker color. If you saturate the color by 10%, you get **19.3403, 0.5322, 0.3831**, and if you desaturate by 10%, it is **25.0564, 0.4617, 0.3788**.

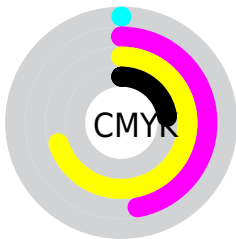
Distribution



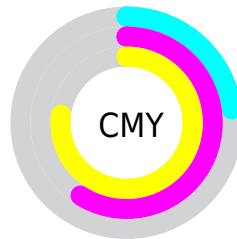
- Red (77%)
- Green (41%)
- Blue (23%)



- Red (77%)
- Yellow (49%)
- Blue (23%)



- Cyan (0%)
- Magenta (47%)
- Yellow (70%)
- Black (23%)





- Cyan (23%)
- Magenta (59%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9522, 0.4972, 0.3829 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 21.9522, 0.4972, 0.3829 by changing the saturation by 10% instead.


 21.9522, 0.4972,
0.3829


 21.9522, 0.4972,
0.3829


262.2966, 0.3955,
0.3616


 13.8218, 0.5239,
0.3842


 46.6670, 0.4587,
0.3776

 7.9968, 0.5577,
0.3824


 64.0201, 0.4446,
0.3748

 4.0929, 0.6154,
0.3824

 85.2163, 0.4329,
0.3721

 1.7257, 0.6531,
0.3469

 110.6399, 0.4230,
0.3696

 0.4402, 0.7451,
0.2549

 140.6754, 0.4146,
0.3673

 0.0000, 1.0000,
0.0000

 175.7070, 0.4074,

 0.0000, 0.0000,

0.3652

0.0000

216.1193, 0.4011,
0.3633

■ 21.9522, 0.4972,
0.3829

■ 21.9522, 0.4972,
0.3829

■ 19.3403, 0.5322,
0.3831

■ 25.0564, 0.4617,
0.3788

■ 17.1891, 0.5637,
0.3786

■ 28.6750, 0.4282,
0.3720

■ 15.4617, 0.5894,
0.3700

■ 32.8326, 0.3979,
0.3637

■ 15.4450, 0.5897,
0.3700

■ 37.5514, 0.3713,
0.3547

■ 42.8519, 0.3485,
0.3457

■ 48.7538, 0.3290,
0.3371

■ 55.2757, 0.3126,
0.3289

■ 62.4354, 0.2986,
0.3214

■ 70.2499, 0.2868,
0.3144

Harmonies

Analogous

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



21.9522, 0.4751, 0.3178



21.9522, 0.4972, 0.3829



21.9522, 0.4617, 0.4485

Triad

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



21.9522, 0.4972, 0.3829



21.9522, 0.2223, 0.4129



21.9522, 0.2205, 0.1932

Complementary

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



21.9522, 0.4972, 0.3829



27.0517, 0.2152, 0.2549

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.



21.9522, 0.1728, 0.1973



21.9522, 0.4972, 0.3829



21.9522, 0.1718, 0.3081

Square

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



21.9522, 0.4972, 0.3829



21.9522, 0.3021, 0.4927



21.9522, 0.1564, 0.2331



21.9522, 0.3000, 0.2153

Rectangle

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



21.9522, 0.4972, 0.3829



21.9522, 0.4161, 0.4852



21.9522, 0.1564, 0.2331



21.9522, 0.2010, 0.1915

Sweetspot

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



21.9534, 0.4972, 0.3829



76.1811, 0.3516, 0.3470



17.1525, 0.3808, 0.2174



15.7156, 0.3577, 0.3495



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.



21.9534, 0.4972, 0.3829



32.8207, 0.5499, 0.3813



41.1346, 0.4266, 0.4606



10.6062, 0.3281, 0.3366



10.0655, 0.5872, 0.3720



0.5626, 0.5430, 0.4071

Inverse Universe

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



27.0517, 0.2152, 0.2549



42.2383, 0.2021, 0.2355



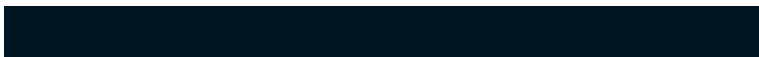
11.2762, 0.1872, 0.1412



10.8528, 0.2984, 0.3213



13.2620, 0.1942, 0.2192



0.6945, 0.2018, 0.2465

Previews

White Background



This preview shows how the Yxy color 21.9522, 0.4972, 0.3829 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 21.9522, 0.4972, 0.3829 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 21.9522, 0.4972, 0.3829

Background



This preview shows how black text looks on a background with the Yxy color 21.9522, 0.4972, 0.3829.



This preview shows how white text looks on a background with the Yxy color 21.9522, 0.4972, 0.3829.

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

21.9522, 0.4972, 0.3829

Protanopia

22.2102, 0.3980, 0.4350

Deuteranopia

22.0093, 0.4400, 0.4315



Tritanopia

22.1064, 0.4436, 0.3203

Trichromacy



Original Color

21.9522, 0.4972, 0.3829

Protanomaly

21.7263, 0.4338, 0.4159

Deuteranomaly

21.7750, 0.4620, 0.4120

Tritanomaly

22.0344, 0.4654, 0.3447

Monochromacy



Original Color

21.9522, 0.4972, 0.3829

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.4955, 0.3762, 0.3563

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9522, 0.4972, 0.3829 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(196, 104, 59)` looks like.

```
.text, #text, p{  
    color:rgb(196, 104, 59)  
}
```

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(196, 104, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 104, 59) }
```

Border

The CSS property to change the border of an element to Yxy 21.9522, 0.4972, 0.3829 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(196, 104, 59) }
```

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

```
.border{ border-color:rgb(196, 104, 59) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 104, 59)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 104, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 104, 59);  
box-shadow:4px 4px 4px 4px rgb(196, 104,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9522, 0.4972, 0.3829 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 104, 59) }
```

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

```
.background{ background-color: rgb(196,  
104, 59) }
```

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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