

Converting Colors

$Yxy(24.0803, 0.5135, 0.4089)$

Have a look what the booklet for
Yxy(24.0803, 0.5135, 0.4089)
contains.

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Color

Yxy(24.1213, 0.5125, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	C97022
RGB	201, 112, 34
RGB Percent	79%, 44%, 13%
CMY	0.2117, 0.5608, 0.8666
CMYK	0.00, 0.44, 0.83, 0.21
HSL	28°, 71%, 46%
HSV	28°, 83%, 79%
XYZ	30.1737, 24.1213, 4.5805
YIQ	129.7190, 78.0820, -5.3900

Conversions

Conversions Part 2

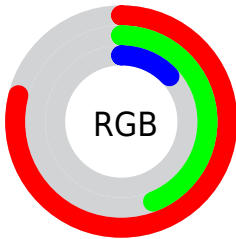
Format	Color
R _Y B	201, 180, 34
Decimal	13201442
CIE Lab	56.21, 29.84, 54.94
CIE LCh	56, 62.522, 61.490
Yxy	24.1213, 0.5125, 0.4097
Android (android.graphics.Color)	4291391522 (0xFFC97022)
YUV	129.7190, -47.1895, 62.5134
Hunter-Lab	49.1134, 23.7161, 28.8498

Details

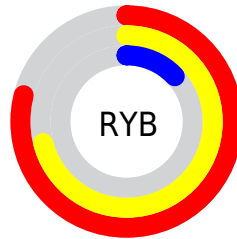
The Yxy color **24.1213, 0.5125, 0.4097** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark muted orange. A complement of this color would be **18.7350, 0.1927, 0.1973**, and the grayscale version is **22.3691, 0.3127, 0.3290**.

A 20% lighter version of the original color is **48.8422, 0.4679, 0.4054**, and **9.2177, 0.5528, 0.3993** is the 20% darker color. If you saturate the color by 10%, you get **21.8129, 0.5366, 0.4057**, and if you desaturate by 10%, it is **26.7815, 0.4850, 0.4083**.

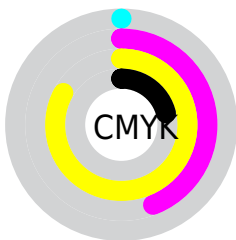
Distribution



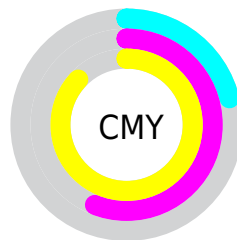
- Red (79%)
- Green (44%)
- Blue (13%)



- Red (79%)
- Yellow (71%)
- Blue (13%)



- Cyan (0%)
- Magenta (44%)
- Yellow (83%)
- Black (21%)





- Cyan (21%)
- Magenta (56%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1213, 0.5125, 0.4097 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 24.1213, 0.5125, 0.4097 by changing the saturation by 10% instead.


 24.1213, 0.5125,
0.4097


 24.1213, 0.5125,
0.4097


273.4332, 0.4078,
0.3784


 15.4236, 0.5366,
0.4114


 50.2281, 0.4750,
0.4022

 9.1172, 0.5663,
0.4101


 68.4060, 0.4606,
0.3981

 4.8177, 0.5999,
0.4001

 90.5127, 0.4483,
0.3941

 2.1407, 0.6303,
0.3697

 116.9327, 0.4378,
0.3904

 0.6874, 0.6865,
0.3135

 148.0504, 0.4287,
0.3870

 0.0000, 1.0000,
0.0000

 184.2501, 0.4208,

 0.0000, 0.0000,

0.3839

0.0000

225.9162, 0.4139,
0.3811

■ 24.1213, 0.5125,
0.4097

■ 24.1213, 0.5125,
0.4097

■ 21.8129, 0.5366,
0.4057

■ 26.7815, 0.4850,
0.4083

■ 20.3998, 0.5513,
0.4005

■ 29.8093, 0.4560,
0.4024

■ 33.2234, 0.4274,
0.3931

■ 37.0399, 0.4004,
0.3817

■ 41.2736, 0.3757,
0.3693

■ 45.9383, 0.3537,
0.3566

■ 51.0473, 0.3343,
0.3443

■ 56.6132, 0.3174,
0.3325

■ 62.6478, 0.3028,
0.3215

Harmonies

Analogous

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



24.1213, 0.5152, 0.3373



24.1213, 0.5125, 0.4097



24.1213, 0.4520, 0.4831

Triad

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



24.1213, 0.5125, 0.4097



24.1213, 0.1854, 0.3821



24.1213, 0.2351, 0.1833

Complementary

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



24.1213, 0.5125, 0.4097



18.7350, 0.1927, 0.1973

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.



24.1213, 0.1707, 0.1768



24.1213, 0.5125, 0.4097



24.1213, 0.1450, 0.2680

Square

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



24.1213, 0.5125, 0.4097



24.1213, 0.2642, 0.4977



24.1213, 0.1416, 0.2015



24.1213, 0.3349, 0.2163

Rectangle

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



24.1213, 0.5125, 0.4097



24.1213, 0.3935, 0.5207



24.1213, 0.1416, 0.2015



24.1213, 0.2094, 0.1781

Sweetspot

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



24.1226, 0.5125, 0.4097



76.7540, 0.3585, 0.3595



14.9973, 0.4454, 0.2365



15.8143, 0.3662, 0.3640



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.



24.1226, 0.5125, 0.4097



34.4690, 0.5535, 0.3987



51.7669, 0.4192, 0.4932



11.4397, 0.3278, 0.3398



13.0043, 0.5489, 0.4023



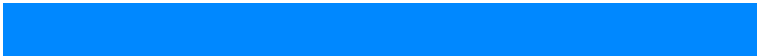
0.7604, 0.5151, 0.4292

Inverse Universe

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



18.7350, 0.1927, 0.1973



24.8101, 0.1794, 0.1658



6.0484, 0.1619, 0.0820



11.2080, 0.2983, 0.3179



9.4677, 0.1807, 0.1704



0.5923, 0.1907, 0.2064

Previews

White Background



This preview shows how the Yxy color 24.1213, 0.5125, 0.4097 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 24.1213, 0.5125, 0.4097 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 24.1213, 0.5125, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 24.1213, 0.5125, 0.4097.



This preview shows how white text looks on a background with the Yxy color 24.1213, 0.5125, 0.4097.

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

24.1213, 0.5125, 0.4097

Protanopia

24.4369, 0.4246, 0.4688

Deuteranopia

24.1709, 0.4642, 0.4542



Tritanopia

24.2521, 0.4381, 0.3205

Trichromacy



Original Color

24.1213, 0.5125, 0.4097

Protanomaly

23.8647, 0.4580, 0.4458

Deuteranomaly

23.9529, 0.4829, 0.4370

Tritanomaly

24.2026, 0.4724, 0.3588

Monochromacy



Original Color

24.1213, 0.5125, 0.4097

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

22.0601, 0.3888, 0.3752

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1213, 0.5125, 0.4097 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(201, 112, 34)` looks like.

```
.text, #text, p{  
    color:rgb(201, 112, 34)  
}
```

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(201, 112, 34) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 112, 34) }
```

Border

The CSS property to change the border of an element to Yxy 24.1213, 0.5125, 0.4097 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(201, 112, 34) }
```

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

```
.border{ border-color:rgb(201, 112, 34) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 112, 34)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 112, 34); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 112, 34);  
box-shadow:4px 4px 4px 4px rgb(201, 112,  
34) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1213, 0.5125, 0.4097 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 112, 34) }
```

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

```
.background{ background-color: rgb(201,  
112, 34) }
```

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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