

Converting Colors

$Yxy(23.9826, 0.5436, 0.4065)$

Have a look what the booklet for
Yxy(23.9826, 0.5436, 0.4065)
contains.

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Color

Yxy(24.1002, 0.5434, 0.4067)

Conversions

Conversions Part 1

Format	Color
Hex	D46900
RGB	212, 105, 0
RGB Percent	83%, 41%, 0%
CMY	0.1687, 0.5882, 0.9997
CMYK	0.00, 0.50, 1.00, 0.17
HSL	30°, 100%, 42%
HSV	30°, 100%, 83%
XYZ	32.2008, 24.1002, 2.9570
YIQ	125.0230, 97.4770, -9.9710

Conversions

Conversions Part 2

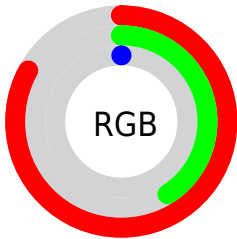
Format	Color
R_{YB}	212, 208, 0
Decimal	13920512
CIE _{Lab}	56.19, 37.41, 64.35
CIE _{LCh}	56, 74.429, 59.829
Yxy	24.1002, 0.5434, 0.4067
Android (android.graphics.Color)	4292110592 (0xFFD46900)
YUV	125.0230, -61.6363, 76.2788
Hunter-Lab	49.0920, 31.1721, 30.7931

Details

The Yxy color **24.1002, 0.5434, 0.4067** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **15.2813, 0.1772, 0.1579**, and the grayscale version is **20.7083, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.1071, 0.4873, 0.4126**, and **9.2164, 0.5761, 0.3808** is the 20% darker color. If you saturate the color by 10%, you get **24.0923, 0.5435, 0.4067**, and if you desaturate by 10%, it is **26.4759, 0.5231, 0.4134**.

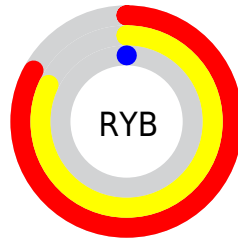
Distribution



Red (83%)

Green (41%)

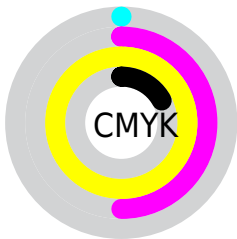
Blue (0%)



Red (83%)

Yellow (82%)

Blue (0%)

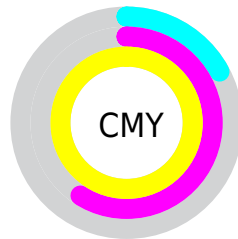


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (17%)



Cyan (17%)

Magenta (59%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.1002, 0.5434, 0.4067 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 24.1002, 0.5434, 0.4067 by changing the saturation by 10% instead.


 24.1002, 0.5434,
0.4067


 24.1002, 0.5434,
0.4067


273.3267, 0.4261,
0.3834


 15.4080, 0.5680,
0.4039


 50.1937, 0.5031,
0.4041

 9.1062, 0.6013,
0.3987


 68.3637, 0.4870,
0.4012


 4.8105, 0.6249,
0.3751

 90.4617, 0.4731,
0.3981

 2.1365, 0.6605,
0.3395

 116.8723, 0.4611,
0.3949

 0.6850, 0.7233,
0.2767

 147.9796, 0.4506,
0.3917

 0.0000, 1.0000,
0.0000

 184.1682, 0.4414,

 0.0000, 0.0000,

0.3888


0.0000


 225.8224, 0.4333,
0.3860

 24.1002, 0.5434,
0.4067

 24.1002, 0.5434,
0.4067


 24.0923, 0.5435,
0.4067

 26.4759, 0.5231,
0.4134

 29.1947, 0.4991,
0.4153

 32.2872, 0.4723,
0.4118

 35.7730, 0.4445,
0.4041

 39.6701, 0.4172,
0.3934

■ 43.9945, 0.3916,
0.3809

■ 48.7613, 0.3682,
0.3676

■ 53.9849, 0.3472,
0.3542

■ 59.6786, 0.3288,
0.3412

Harmonies

Analogous

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



24.1002, 0.5485, 0.3278



24.1002, 0.5434, 0.4067



24.1002, 0.4708, 0.4943

Triad

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



24.1002, 0.5434, 0.4067



24.1002, 0.1673, 0.3997



24.1002, 0.2167, 0.1627

Complementary

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



24.1002, 0.5434, 0.4067



15.2813, 0.1772, 0.1579

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.



24.1002, 0.1484, 0.1565



24.1002, 0.5434, 0.4067



24.1002, 0.1228, 0.2597

Square

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



24.1002, 0.5434, 0.4067



24.1002, 0.2568, 0.5414



24.1002, 0.1188, 0.1835



24.1002, 0.3298, 0.1974

Rectangle

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



24.1002, 0.5434, 0.4067



24.1002, 0.4033, 0.5469



24.1002, 0.1188, 0.1835



24.1002, 0.1890, 0.1574

Sweetspot

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



24.1015, 0.5434, 0.4067



73.8016, 0.3690, 0.3681



15.1135, 0.4906, 0.2477



15.1205, 0.3787, 0.3738



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.



24.1015, 0.5434, 0.4067



36.2507, 0.5450, 0.4054



59.3296, 0.4223, 0.5029



13.4263, 0.3279, 0.3406



15.0754, 0.5413, 0.4084



1.0748, 0.5147, 0.4295

Inverse Universe

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



15.2813, 0.1772, 0.1579



22.8496, 0.1767, 0.1561



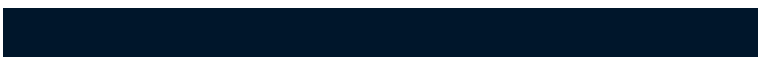
4.8320, 0.1503, 0.0609



13.0345, 0.2982, 0.3172



9.6301, 0.1779, 0.1603



0.7464, 0.1865, 0.1915

Previews

White Background



This preview shows how the Yxy color 24.1002, 0.5434, 0.4067 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 24.1002, 0.5434, 0.4067 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 24.1002, 0.5434, 0.4067

Background



This preview shows how black text looks on a background with the Yxy color 24.1002, 0.5434, 0.4067.



This preview shows how white text looks on a background with the Yxy color 24.1002, 0.5434, 0.4067.

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

24.1002, 0.5434, 0.4067

Protanopia

24.4276, 0.4355, 0.4822

Deuteranopia

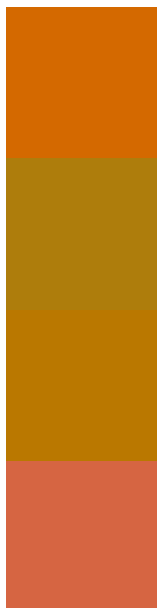
24.0963, 0.4717, 0.4637



Tritanopia

24.1819, 0.4652, 0.3224

Trichromacy



Original Color

24.1002, 0.5434, 0.4067

Protanomaly

23.6924, 0.4765, 0.4542

Deuteranomaly

23.8720, 0.4991, 0.4419

Tritanomaly

23.9968, 0.5103, 0.3670

Monochromacy



Original Color

24.1002, 0.5434, 0.4067

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

20.7042, 0.4121, 0.3909

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.1002, 0.5434, 0.4067 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(212, 105, 0)` looks like.

```
.text, #text, p{  
    color:rgb(212, 105, 0)  
}
```

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(212, 105, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 105, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.1002, 0.5434, 0.4067 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(212, 105, 0) }
```

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

```
.border{ border-color:rgb(212, 105, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 105, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 105, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 105, 0);  
box-shadow:4px 4px 4px 4px rgb(212, 105,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.1002, 0.5434, 0.4067 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 105, 0) }
```

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

```
.background{ background-color: rgb(212,  
105, 0) }
```

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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