

Converting Colors

$Y_{xy}(24.8213, 0.5512, 0.4005)$

Have a look what the booklet for
Yxy(24.8213, 0.5512, 0.4005)
contains.

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Color

Yxy(24.7606, 0.5511, 0.4006)

Conversions

Conversions Part 1

Format	Color
Hex	DB6700
RGB	219, 103, 0
RGB Percent	86%, 40%, 0%
CMY	0.1412, 0.5960, 0.9998
CMYK	0.00, 0.53, 1.00, 0.14
HSL	28°, 100%, 43%
HSV	28°, 100%, 86%
XYZ	34.0628, 24.7606, 2.9854
YIQ	125.9420, 102.1990, -7.4410

Conversions

Conversions Part 2

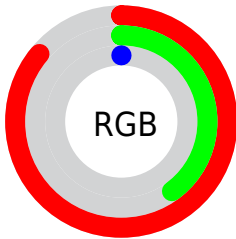
Format	Color
R_{YB}	219, 194, 0
Decimal	14378752
CIE _{Lab}	56.84, 41.18, 65.28
CIE _{LCh}	57, 77.185, 57.754
Yxy	24.7606, 0.5511, 0.4006
Android (android.graphics.Color)	4292568832 (0xFFDB6700)
YUV	125.9420, -62.0894, 81.6119
Hunter-Lab	49.7600, 35.1107, 31.2749

Details

The Yxy color **24.7606, 0.5511, 0.4006** 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 **17.6142, 0.1795, 0.1661**, and the grayscale version is **21.0360, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.4303, 0.4892, 0.4107**, and **9.5239, 0.5855, 0.3733** is the 20% darker color. If you saturate the color by 10%, you get **24.7561, 0.5511, 0.4006**, and if you desaturate by 10%, it is **27.2901, 0.5299, 0.4080**.

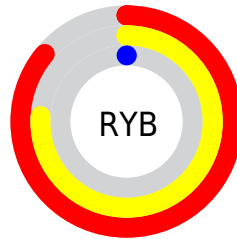
Distribution



Red (86%)

Green (40%)

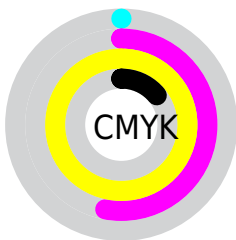
Blue (0%)



Red (86%)

Yellow (76%)

Blue (0%)

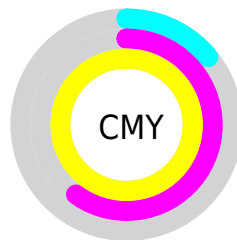


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (14%)



Cyan (14%)

Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.7606, 0.5511, 0.4006 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 24.7606, 0.5511, 0.4006 by changing the saturation by 10% instead.


 24.7606, 0.5511,
0.4006


 24.7606, 0.5511,
0.4006


276.6436, 0.4304,
0.3817


 15.8988, 0.5763,
0.3966


 51.2686, 0.5098,
0.3998

 9.4526, 0.6101,
0.3899

 69.6835, 0.4933,
0.3976


 5.0375, 0.6349,
0.3651

 92.0517, 0.4790,
0.3949


 2.2693, 0.6716,
0.3284

 118.7573, 0.4666,
0.3921

 0.7574, 0.7322,
0.2678

 150.1850, 0.4558,
0.3893

 0.0000, 1.0000,
0.0000


 186.7190, 0.4463,


 0.0000, 0.0000,


0.3866


0.0000


 228.7437, 0.4379,
0.3841


 24.7606, 0.5511,
0.4006


 24.7606, 0.5511,
0.4006


 24.7561, 0.5511,
0.4006

 27.2901, 0.5299,
0.4080

 30.2163, 0.5047,
0.4105

 33.5735, 0.4766,
0.4077

 37.3848, 0.4476,
0.4006

 41.6710, 0.4193,
0.3904

■ 46.4512, 0.3928,
0.3785

■ 51.7431, 0.3689,
0.3658

■ 57.5633, 0.3476,
0.3530

■ 63.9278, 0.3289,
0.3407

Harmonies

Analogous

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



24.7606, 0.5513, 0.3214



24.7606, 0.5511, 0.4006



24.7606, 0.4793, 0.4900

Triad

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



24.7606, 0.5511, 0.4006



24.7606, 0.1686, 0.4132



24.7606, 0.2081, 0.1582

Complementary

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



24.7606, 0.5511, 0.4006



17.6142, 0.1795, 0.1661

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.



24.7606, 0.1420, 0.1538



24.7606, 0.5511, 0.4006



24.7606, 0.1207, 0.2651

Square

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



24.7606, 0.5511, 0.4006



24.7606, 0.2620, 0.5547



24.7606, 0.1145, 0.1836



24.7606, 0.3206, 0.1914

Rectangle

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



24.7606, 0.5511, 0.4006



24.7606, 0.4111, 0.5465



24.7606, 0.1145, 0.1836



24.7606, 0.1811, 0.1534

Sweetspot

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



24.7620, 0.5511, 0.4006



72.8279, 0.3695, 0.3662



16.3406, 0.4840, 0.2440



14.8909, 0.3794, 0.3716



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.



24.7620, 0.5511, 0.4006



34.6721, 0.5525, 0.3995



61.9946, 0.4253, 0.5005



14.0561, 0.3280, 0.3400



14.8955, 0.5487, 0.4025



1.1366, 0.5222, 0.4236

Inverse Universe

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



17.6142, 0.1795, 0.1661



24.5721, 0.1791, 0.1646



5.2742, 0.1505, 0.0617



13.7534, 0.2982, 0.3177



10.6625, 0.1802, 0.1686



0.8628, 0.1880, 0.1968

Previews

White Background



This preview shows how the Yxy color 24.7606, 0.5511, 0.4006 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 24.7606, 0.5511, 0.4006 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 24.7606, 0.5511, 0.4006

Background



This preview shows how black text looks on a background with the Yxy color 24.7606, 0.5511, 0.4006.



This preview shows how white text looks on a background with the Yxy color 24.7606, 0.5511, 0.4006.

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

24.7606, 0.5511, 0.4006

Protanopia

24.8119, 0.4351, 0.4820

Deuteranopia

24.8495, 0.4710, 0.4642



Tritanopia

24.8546, 0.4767, 0.3228

Trichromacy



Original Color

24.7606, 0.5511, 0.4006

Protanomaly

24.1613, 0.4806, 0.4507

Deuteranomaly

24.3801, 0.5031, 0.4388

Tritanomaly

24.6775, 0.5195, 0.3639

Monochromacy



Original Color

24.7606, 0.5511, 0.4006

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

21.0096, 0.4161, 0.3898

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.7606, 0.5511, 0.4006 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(219, 103, 0)` looks like.

```
.text, #text, p{  
    color:rgb(219, 103, 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(219, 103, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 103, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.7606, 0.5511, 0.4006 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(219, 103, 0) }
```

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

```
.border{ border-color:rgb(219, 103, 0) }
```

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

Here you see how a box with a 4 pixel rgb(219, 103, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 103, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 103, 0);  
box-shadow:4px 4px 4px 4px rgb(219, 103,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 24.7606, 0.5511, 0.4006 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 103, 0) }
```

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

```
.background{ background-color: rgb(219,  
103, 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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