

Converting Colors

$Y_{xy}(24.1231, 0.5624, 0.3949)$

Have a look what the booklet for
Yxy(24.1231, 0.5624, 0.3949)
contains.

Yxy(24.0790, 0.5610, 0.3927)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(24.0790, 0.5610, 0.3927)

Conversions

Conversions Part 1

Format	Color
Hex	DE6100
RGB	222, 97, 0
RGB Percent	87%, 38%, 0%
CMY	0.1294, 0.6196, 0.9994
CMYK	0.00, 0.56, 1.00, 0.13
HSL	26°, 100%, 44%
HSV	26°, 100%, 87%
XYZ	34.3986, 24.0790, 2.8390
YIQ	123.3170, 105.6370, -3.6670

Conversions

Conversions Part 2

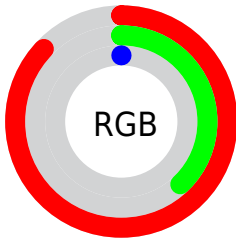
Format	Color
RYB	222, 172, 0
Decimal	14573824
CIELab	56.17, 45.25, 65.12
CIELCh	56, 79.300, 55.203
Yxy	24.0790, 0.5610, 0.3927
Android (android.graphics.Color)	4292763904 (0xFFDE6100)
YUV	123.3170, -60.7953, 86.5450
Hunter-Lab	49.0704, 39.2563, 30.9190

Details

The Yxy color **24.0790, 0.5610, 0.3927** 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 **19.9769, 0.1827, 0.1777**, and the grayscale version is **20.1035, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.4543, 0.4956, 0.4056**, and **9.1723, 0.5998, 0.3620** is the 20% darker color. If you saturate the color by 10%, you get **24.0640, 0.5611, 0.3926**, and if you desaturate by 10%, it is **26.6360, 0.5386, 0.4008**.

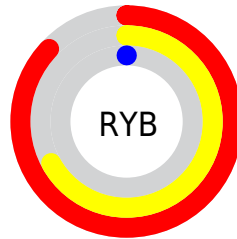
Distribution



Red (87%)

Green (38%)

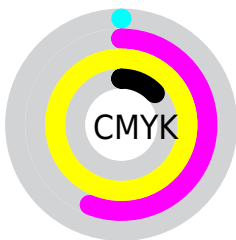
Blue (0%)



Red (87%)

Yellow (67%)

Blue (0%)

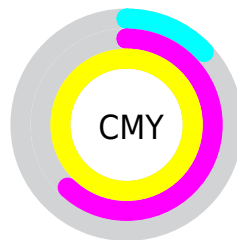


Cyan (0%)

Magenta (56%)

Yellow (100%)

Black (13%)



Cyan (13%)


Magenta (62%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0790, 0.5610, 0.3927 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 24.0790, 0.5610, 0.3927 by changing the saturation by 10% instead.


 24.0790, 0.5610,
0.3927


 24.0790, 0.5610,
0.3927


273.2196, 0.4348,
0.3790


 15.3922, 0.5875,
0.3870


 50.1591, 0.5177,
0.3941


 9.0951, 0.6223,
0.3777


 68.3212, 0.5004,
0.3926

 4.8033, 0.6494,
0.3506

 90.4105, 0.4854,
0.3905

 2.1323, 0.6892,
0.3108

 116.8115, 0.4725,
0.3882

 0.6827, 0.7566,
0.2434

 147.9085, 0.4612,
0.3858

 0.0000, 1.0000,
0.0000


 184.0859, 0.4513,

 0.0000, 0.0000,


0.3834

0.0000


 225.7282, 0.4425,
0.3811


 24.0790, 0.5610,
0.3927


 24.0790, 0.5610,
0.3927


 24.0640, 0.5611,
0.3926

 26.6360, 0.5386,
0.4008

 29.6398, 0.5118,
0.4040

 33.1285, 0.4820,
0.4019

 37.1287, 0.4513,
0.3955

 41.6642, 0.4217,
0.3862

■ 46.7571, 0.3942,
0.3751

■ 52.4280, 0.3696,
0.3632

■ 58.6961, 0.3479,
0.3513

■ 65.5798, 0.3290,
0.3398

Harmonies

Analogous

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



24.0790, 0.5549, 0.3132



24.0790, 0.5610, 0.3927



24.0790, 0.4902, 0.4842

Triad

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



24.0790, 0.5610, 0.3927



24.0790, 0.1702, 0.4313



24.0790, 0.1973, 0.1524

Complementary

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



24.0790, 0.5610, 0.3927



19.9769, 0.1827, 0.1777

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.



24.0790, 0.1340, 0.1504



24.0790, 0.5610, 0.3927



24.0790, 0.1179, 0.2724

Square

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



24.0790, 0.5610, 0.3927



24.0790, 0.2684, 0.5713



24.0790, 0.1090, 0.1837



24.0790, 0.3089, 0.1837

Rectangle

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



24.0790, 0.5610, 0.3927



24.0790, 0.4210, 0.5451



24.0790, 0.1090, 0.1837



24.0790, 0.1712, 0.1484

Sweetspot

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



24.0804, 0.5610, 0.3927



71.5315, 0.3703, 0.3636



17.0350, 0.4698, 0.2362



14.5858, 0.3804, 0.3687



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.



24.0804, 0.5610, 0.3927



32.7018, 0.5624, 0.3916



60.2544, 0.4316, 0.4955



14.6802, 0.3281, 0.3393



14.5069, 0.5586, 0.3946



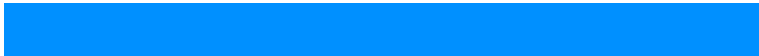
1.1814, 0.5319, 0.4158

Inverse Universe

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



19.9769, 0.1827, 0.1777



27.0656, 0.1824, 0.1764



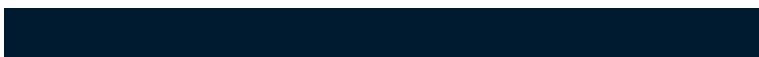
5.6147, 0.1510, 0.0635



14.5182, 0.2981, 0.3185



12.0809, 0.1833, 0.1800



1.0147, 0.1903, 0.2051

Previews

White Background



This preview shows how the Yxy color 24.0790, 0.5610, 0.3927 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 24.0790, 0.5610, 0.3927 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 24.0790, 0.5610, 0.3927

Background



This preview shows how black text looks on a background with the Yxy color 24.0790, 0.5610, 0.3927.



This preview shows how white text looks on a background with the Yxy color 24.0790, 0.5610, 0.3927.

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

24.0790, 0.5610, 0.3927

Protanopia

24.3379, 0.4336, 0.4821

Deuteranopia

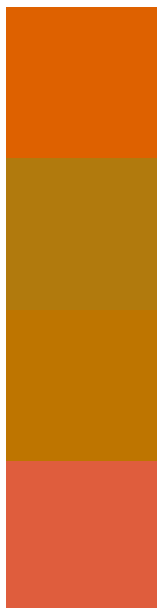
24.0963, 0.4717, 0.4637



Tritanopia

24.0042, 0.4914, 0.3231

Trichromacy



Original Color

24.0790, 0.5610, 0.3927

Protanomaly

23.2952, 0.4838, 0.4479

Deuteranomaly

23.6697, 0.5075, 0.4353

Tritanomaly

23.8536, 0.5315, 0.3603

Monochromacy



Original Color

24.0790, 0.5610, 0.3927

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.9556, 0.4207, 0.3870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0790, 0.5610, 0.3927 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(222, 97, 0)` looks like.

```
.text, #text, p{  
    color:rgb(222, 97, 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(222, 97, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 97, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.0790, 0.5610, 0.3927 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(222, 97, 0) }
```

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

```
.border{ border-color:rgb(222, 97, 0) }
```

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

Here you see how a box with a 4 pixel rgb(222, 97, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 97, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 97, 0);  
box-shadow:4px 4px 4px 4px rgb(222, 97, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.0790, 0.5610, 0.3927 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 97, 0) }
```

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

```
.background{ background-color: rgb(222, 97,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor