

Converting Colors

$Y_{xy}(24.0064, 0.5657, 0.3890)$

Have a look what the booklet for
Yxy(24.0064, 0.5657, 0.3890)
contains.

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Color

Yxy(24.0317, 0.5649, 0.3897)

Conversions

Conversions Part 1

Format	Color
Hex	E05F00
RGB	224, 95, 0
RGB Percent	88%, 37%, 0%
CMY	0.1215, 0.6275, 1.0000
CMYK	0.00, 0.58, 1.00, 0.12
HSL	25°, 100%, 44%
HSV	25°, 100%, 88%
XYZ	34.8358, 24.0317, 2.7997
YIQ	122.7410, 107.3790, -2.1970

Conversions

Conversions Part 2

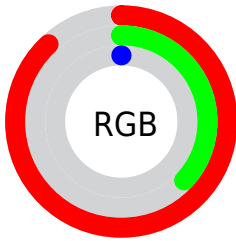
Format	Color
R_{YB}	224, 165, 0
Decimal	14704384
CIE _{Lab}	56.12, 46.96, 65.31
CIE _{LCh}	56, 80.443, 54.283
Yxy	24.0317, 0.5649, 0.3897
Android (android.graphics.Color)	4292894464 (0xFFE05F00)
YUV	122.7410, -60.5113, 88.8041
Hunter-Lab	49.0221, 41.0558, 30.9294

Details

The Yxy color **24.0317, 0.5649, 0.3897** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed red. A complement of this color would be **21.0881, 0.1839, 0.1820**, and the grayscale version is **19.8944, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.1365, 0.4966, 0.4046**, and **9.1629, 0.6050, 0.3578** is the 20% darker color. If you saturate the color by 10%, you get **24.0333, 0.5649, 0.3897**, and if you desaturate by 10%, it is **26.6127, 0.5421, 0.3980**.

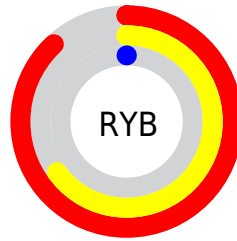
Distribution



Red (88%)

Green (37%)

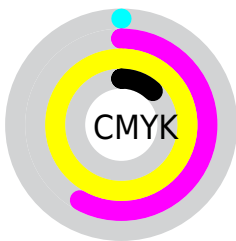
Blue (0%)



Red (88%)

Yellow (65%)

Blue (0%)

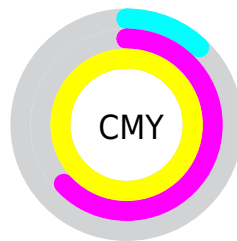


Cyan (0%)

Magenta (58%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (63%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.0317, 0.5649, 0.3897 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 24.0317, 0.5649, 0.3897 by changing the saturation by 10% instead.


 24.0317, 0.5649,
0.3897


 24.0317, 0.5649,
0.3897


272.9807, 0.4367,
0.3780


 15.3571, 0.5918,
0.3834


 50.0819, 0.5210,
0.3919

 9.0704, 0.6268,
0.3732


 68.2264, 0.5034,
0.3907


 4.7871, 0.6546,
0.3454

 90.2962, 0.4882,
0.3889

 2.1229, 0.6954,
0.3046

 116.6759, 0.4750,
0.3868

 0.6775, 0.7638,
0.2362

 147.7498, 0.4635,
0.3845


 0.0000, 1.0000,
0.0000

 183.9023, 0.4535,

 0.0000, 0.0000,


0.3823

0.0000

 225.5178, 0.4446,
0.3801


 24.0317, 0.5649,
0.3897

 24.0317, 0.5649,
0.3897

 24.0333, 0.5649,
0.3897

 26.6127, 0.5421,
0.3980

 29.6636, 0.5148,
0.4015

 33.2251, 0.4843,
0.3998

 37.3254, 0.4530,
0.3937

 41.9900, 0.4229,
0.3847

■ 47.2425, 0.3950,
0.3739

■ 53.1048, 0.3701,
0.3624

■ 59.5975, 0.3481,
0.3508

■ 66.7402, 0.3291,
0.3396

Harmonies

Analogous

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



24.0317, 0.5564, 0.3101



24.0317, 0.5649, 0.3897



24.0317, 0.4944, 0.4819

Triad

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



24.0317, 0.5649, 0.3897



24.0317, 0.1706, 0.4385



24.0317, 0.1932, 0.1501

Complementary

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



24.0317, 0.5649, 0.3897



21.0881, 0.1839, 0.1820

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.



24.0317, 0.1309, 0.1489



24.0317, 0.5649, 0.3897



24.0317, 0.1167, 0.2752

Square

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



24.0317, 0.5649, 0.3897



24.0317, 0.2706, 0.5777



24.0317, 0.1068, 0.1837



24.0317, 0.3045, 0.1808

Rectangle

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



24.0317, 0.5649, 0.3897



24.0317, 0.4247, 0.5446



24.0317, 0.1068, 0.1837



24.0317, 0.1675, 0.1463

Sweetspot

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



24.0333, 0.5649, 0.3897



71.0535, 0.3706, 0.3626



17.4795, 0.4631, 0.2325



14.4735, 0.3808, 0.3676



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.



24.0333, 0.5649, 0.3897



32.0137, 0.5661, 0.3887



59.6783, 0.4349, 0.4929



14.6512, 0.3281, 0.3390



14.2041, 0.5622, 0.3918



1.1592, 0.5350, 0.4134

Inverse Universe

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



21.0881, 0.1839, 0.1820



28.0454, 0.1836, 0.1809



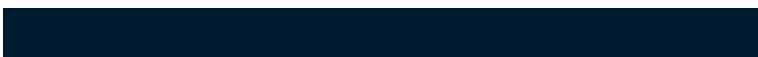
5.8372, 0.1513, 0.0645



14.5477, 0.2981, 0.3188



12.5055, 0.1846, 0.1844



1.0431, 0.1914, 0.2088

Previews

White Background



This preview shows how the Yxy color 24.0317, 0.5649, 0.3897 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 24.0317, 0.5649, 0.3897 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 24.0317, 0.5649, 0.3897

Background



This preview shows how black text looks on a background with the Yxy color 24.0317, 0.5649, 0.3897.



This preview shows how white text looks on a background with the Yxy color 24.0317, 0.5649, 0.3897.

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

24.0317, 0.5649, 0.3897

Protanopia

24.0575, 0.4349, 0.4810

Deuteranopia

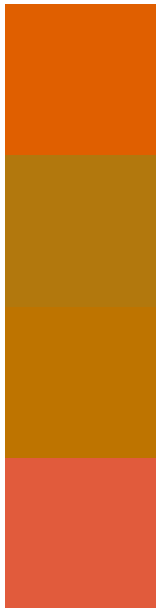
24.0963, 0.4717, 0.4637



Tritanopia

23.9564, 0.4976, 0.3233

Trichromacy



Original Color

24.0317, 0.5649, 0.3897

Protanomaly

22.9270, 0.4878, 0.4447

Deuteranomaly

23.4379, 0.5090, 0.4341

Tritanomaly

23.8160, 0.5361, 0.3586

Monochromacy



Original Color

24.0317, 0.5649, 0.3897

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

19.8339, 0.4229, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.0317, 0.5649, 0.3897 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(224, 95, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 95, 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(224, 95, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 95, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.0317, 0.5649, 0.3897 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(224, 95, 0) }
```

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

```
.border{ border-color:rgb(224, 95, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 95, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 95, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 95, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 95, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.0317, 0.5649, 0.3897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 95, 0) }
```

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

```
.background{ background-color: rgb(224, 95,  
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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