

Converting Colors

$Y_{xy}(25.4626, 0.5557, 0.3970)$

Have a look what the booklet for
Yxy(25.4626, 0.5557, 0.3970)
contains.

Yxy(25.3500, 0.5557, 0.3969)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3500, 0.5557, 0.3969)

Conversions

Conversions Part 1

Format	Color
Hex	E06600
RGB	224, 102, 0
RGB Percent	88%, 40%, 0%
CMY	0.1216, 0.6000, 0.9993
CMYK	0.00, 0.54, 1.00, 0.12
HSL	27°, 100%, 44%
HSV	27°, 100%, 88%
XYZ	35.4926, 25.3500, 3.0274
YIQ	126.8500, 105.4540, -5.8580

Conversions

Conversions Part 2

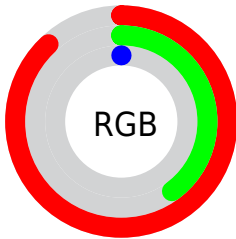
Format	Color
R_{YB}	224, 187, 0
Decimal	14706176
CIE _{Lab}	57.41, 43.61, 65.99
CIE _{LCh}	57, 79.097, 56.538
Yxy	25.3500, 0.5557, 0.3969
Android (android.graphics.Color)	4292896256 (0xFFE06600)
YUV	126.8500, -62.5370, 85.2006
Hunter-Lab	50.3488, 37.7203, 31.6791

Details

The Yxy color **25.3500, 0.5557, 0.3969** 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 **19.3452, 0.1809, 0.1713**, and the grayscale version is **21.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.0960, 0.4902, 0.4098**, and **9.8583, 0.5918, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **25.3315, 0.5559, 0.3968**, and if you desaturate by 10%, it is **27.9905, 0.5340, 0.4047**.

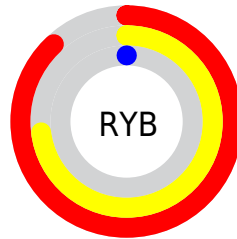
Distribution



Red (88%)

Green (40%)

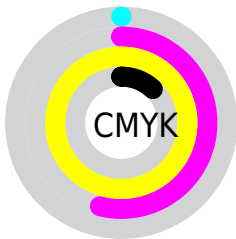
Blue (0%)



Red (88%)

Yellow (73%)

Blue (0%)

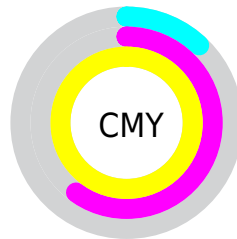


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (12%)



Cyan (12%)


Magenta (60%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3500, 0.5557, 0.3969 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 25.3500, 0.5557, 0.3969 by changing the saturation by 10% instead.


 25.3500, 0.5557,
0.3969


 25.3500, 0.5557,
0.3969


279.5765, 0.4332,
0.3806


 16.3380, 0.5812,
0.3922


 52.2245, 0.5139,
0.3972


 9.7637, 0.6153,
0.3847


 70.8557, 0.4971,
0.3953


 5.2425, 0.6405,
0.3595

 93.4622, 0.4826,
0.3929

 2.3903, 0.6776,
0.3224

 120.4283, 0.4700,
0.3904

 0.8209, 0.7366,
0.2634

 152.1383, 0.4590,
0.3878


 0.0000, 1.0000,
0.0000


 188.9768, 0.4494,


 0.0000, 0.0000,


0.3853


0.0000

 231.3281, 0.4408,
0.3829


 25.3500, 0.5557,
0.3969

 25.3500, 0.5557,
0.3969


 25.3315, 0.5559,
0.3968

 27.9905, 0.5340,
0.4047

 31.0669, 0.5080,
0.4075

 34.6163, 0.4791,
0.4051

 38.6643, 0.4493,
0.3983

 43.2339, 0.4204,
0.3885

■ 48.3464, 0.3935,
0.3770

■ 54.0215, 0.3692,
0.3646

■ 60.2777, 0.3477,
0.3522

■ 67.1326, 0.3289,
0.3403

Harmonies

Analogous

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



25.3500, 0.5530, 0.3176



25.3500, 0.5557, 0.3969



25.3500, 0.4844, 0.4873

Triad

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



25.3500, 0.5557, 0.3969



25.3500, 0.1694, 0.4216



25.3500, 0.2030, 0.1555

Complementary

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



25.3500, 0.5557, 0.3969



19.3452, 0.1809, 0.1713

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.



25.3500, 0.1382, 0.1522



25.3500, 0.5557, 0.3969



25.3500, 0.1194, 0.2685

Square

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



25.3500, 0.5557, 0.3969



25.3500, 0.2651, 0.5625



25.3500, 0.1119, 0.1837



25.3500, 0.3151, 0.1878

Rectangle

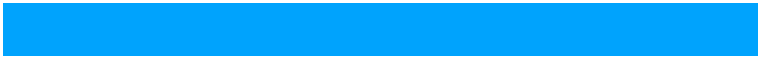
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.3500, 0.5557, 0.3969



25.3500, 0.4158, 0.5459



25.3500, 0.1119, 0.1837



25.3500, 0.1765, 0.1511

Sweetspot

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



25.3514, 0.5557, 0.3969



72.2356, 0.3699, 0.3650



17.2882, 0.4770, 0.2402



14.7514, 0.3799, 0.3703



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.



25.3514, 0.5557, 0.3969



33.7531, 0.5570, 0.3959



63.3396, 0.4284, 0.4980



14.7226, 0.3281, 0.3397



14.9685, 0.5533, 0.3989



1.2148, 0.5275, 0.4194

Inverse Universe

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



19.3452, 0.1809, 0.1713



25.6823, 0.1806, 0.1700



5.6309, 0.1507, 0.0625



14.4752, 0.2981, 0.3181



11.4807, 0.1816, 0.1736



0.9741, 0.1888, 0.1996

Previews

White Background



This preview shows how the Yxy color 25.3500, 0.5557, 0.3969 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 25.3500, 0.5557, 0.3969 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 25.3500, 0.5557, 0.3969

Background



This preview shows how black text looks on a background with the Yxy color 25.3500, 0.5557, 0.3969.



This preview shows how white text looks on a background with the Yxy color 25.3500, 0.5557, 0.3969.

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

25.3500, 0.5557, 0.3969

Protanopia

25.5873, 0.4346, 0.4819

Deuteranopia

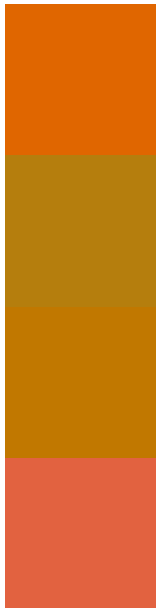
25.3466, 0.4718, 0.4636



Tritanopia

25.4549, 0.4838, 0.3231

Trichromacy



Original Color

25.3500, 0.5557, 0.3969

Protanomaly

24.7745, 0.4823, 0.4494

Deuteranomaly

24.7704, 0.5059, 0.4365

Tritanomaly

25.2743, 0.5257, 0.3625

Monochromacy



Original Color

25.3500, 0.5557, 0.3969

Achromatopsia

21.2231, 0.3127, 0.3290

Achromatomaly

21.2323, 0.4174, 0.3876

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3500, 0.5557, 0.3969 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, 102, 0)` looks like.

```
.text, #text, p{  
    color:rgb(224, 102, 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, 102, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 102, 0) }
```

Border

The CSS property to change the border of an element to Yxy 25.3500, 0.5557, 0.3969 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, 102, 0) }
```

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

```
.border{ border-color:rgb(224, 102, 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, 102, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 102, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 102, 0);  
box-shadow:4px 4px 4px 4px rgb(224, 102,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3500, 0.5557, 0.3969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 102, 0) }
```

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

```
.background{ background-color: rgb(224,  
102, 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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