

# Converting Colors

$Y_{xy}(25.2536, 0.5468, 0.3874)$

Have a look what the booklet for  
Yxy(25.2536, 0.5468, 0.3874)  
contains.

<b>Yxy(25.2536, 0.5468, 0.3874)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**$Yxy(25.2536, 0.5468, 0.3874)$**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	E0651F
RGB	224, 101, 31
RGB Percent	88%, 40%, 12%
CMY	0.1215, 0.6039, 0.8786
CMYK	0.00, 0.55, 0.86, 0.12
HSL	22°, 76%, 50%
HSV	22°, 86%, 88%
XYZ	35.6445, 25.2536, 4.2893
YIQ	129.7970, 95.7780, 4.3060

# Conversions

## Conversions Part 2

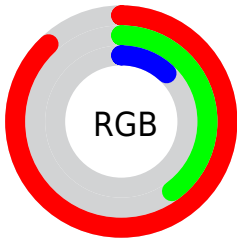
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	224, 141, 31
Decimal	14705951
CIE <sub>Lab</sub>	57.32, 44.53, 58.36
CIE <sub>LCh</sub>	57, 73.410, 52.660
Yxy	25.2536, 0.5468, 0.3874
Android (android.graphics.Color)	4292896031 (0xFFE0651F)
YUV	129.7970, -48.7069, 82.6160
Hunter-Lab	50.2530, 38.6675, 30.1164

# Details

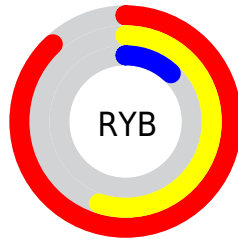
The Yxy color **25.2536, 0.5468, 0.3874** is a dark color, and the websafe version is hex **CC6600**. The color can be described as dark washed orange. A complement of this color would be **28.7779, 0.1981, 0.2229**, and the grayscale version is **22.3966, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.3272, 0.4787, 0.3979**, and **9.7737, 0.5933, 0.3671** is the 20% darker color. If you saturate the color by 10%, you get **22.6398, 0.5731, 0.3797**, and if you desaturate by 10%, it is **28.4334, 0.5151, 0.3900**.

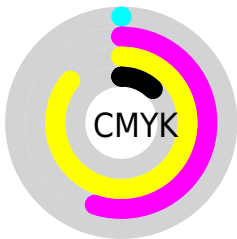
# Distribution



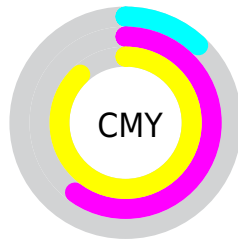
- Red (88%)
- Green (40%)
- Blue (12%)



- Red (88%)
- Yellow (55%)
- Blue (12%)



- Cyan (0%)
- Magenta (55%)
- Yellow (86%)
- Black (12%)




- Cyan (12%)
- Magenta (60%)
- Yellow (88%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 25.2536, 0.5468, 0.3874 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 25.2536, 0.5468, 0.3874 by changing the saturation by 10% instead.





 25.2536, 0.5468,  
0.3874

 25.2536, 0.5468,  
0.3874


279.0985, 0.4255,  
0.3725


 16.2661, 0.5741,  
0.3838


 52.0683, 0.5040,  
0.3870

 9.7126, 0.6079,  
0.3760


 70.6644, 0.4873,  
0.3852

 5.2089, 0.6435,  
0.3565

 93.2320, 0.4730,  
0.3831

 2.3703, 0.6812,  
0.3188

 120.1557, 0.4608,  
0.3809

 0.8106, 0.7411,  
0.2589

 151.8198, 0.4502,  
0.3786

 0.0000, 1.0000,  
0.0000

 188.6087, 0.4409,

 0.0000, 0.0000,

0.3765

0.0000

230.9068, 0.4327,  
0.3744

25.2536, 0.5468,  
0.3874

25.2536, 0.5468,  
0.3874

22.6398, 0.5731,  
0.3797

28.4334, 0.5151,  
0.3900


21.7741, 0.5821,  
0.3760


32.2129, 0.4810,  
0.3877


36.6269, 0.4472,  
0.3818

41.7059, 0.4156,  
0.3735

47.4781, 0.3872,  
0.3639

 53.9700, 0.3624,  
0.3539

 61.2066, 0.3409,  
0.3440

 69.2115, 0.3226,  
0.3345

 78.0073, 0.3071,  
0.3257

# Harmonies

## Analogous

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



25.2536, 0.5300, 0.3114



25.2536, 0.5468, 0.3874



25.2536, 0.4893, 0.4716

# Triad

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



25.2536, 0.5468, 0.3874



25.2536, 0.1886, 0.4353



25.2536, 0.1991, 0.1620

# Complementary

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



25.2536, 0.5468, 0.3874



28.7779, 0.1981, 0.2229

# 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.



25.2536, 0.1417, 0.1631



25.2536, 0.5468, 0.3874



25.2536, 0.1334, 0.2893

# Square

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



25.2536, 0.5468, 0.3874



25.2536, 0.2844, 0.5521



25.2536, 0.1205, 0.1999



25.2536, 0.2997, 0.1897



# Rectangle

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



25.2536, 0.5468, 0.3874



25.2536, 0.4274, 0.5260



25.2536, 0.1205, 0.1999



25.2536, 0.1754, 0.1590

# Sweetspot

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



25.2550, 0.5468, 0.3874



72.3849, 0.3624, 0.3539



19.2430, 0.4145, 0.2140



14.8192, 0.3707, 0.3574



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.



25.2550, 0.5468, 0.3874



29.0025, 0.5833, 0.3750



55.0037, 0.4402, 0.4792



14.5105, 0.3283, 0.3376



12.8719, 0.5793, 0.3782



1.0584, 0.5500, 0.4015

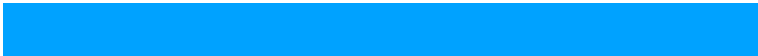


# Inverse Universe

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



28.7779, 0.1981, 0.2229



33.2345, 0.1897, 0.2030



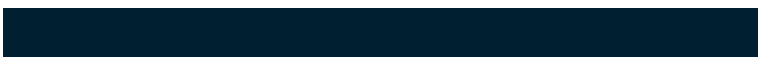
8.8967, 0.1629, 0.0927



14.6924, 0.2981, 0.3203



14.7474, 0.1906, 0.2061



1.1905, 0.1964, 0.2272



# Previews

## White Background



This preview shows how the Yxy color 25.2536, 0.5468, 0.3874 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 25.2536, 0.5468, 0.3874 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 25.2536, 0.5468, 0.3874**

## Background



This preview shows how black text looks on a background with the Yxy color 25.2536, 0.5468, 0.3874.



This preview shows how white text looks on a background with the Yxy color 25.2536, 0.5468, 0.3874.

# 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

25.2536, 0.5468, 0.3874

### Protanopia

25.2987, 0.4260, 0.4688

### Deuteranopia

25.3685, 0.4697, 0.4609



## Tritanopia

25.2759, 0.4845, 0.3220

# Trichromacy



## Original Color

25.2536, 0.5468, 0.3874

## Protanomaly

24.5041, 0.4724, 0.4370

## Deuteranomaly

24.8141, 0.5014, 0.4317

## Tritanomaly

25.2399, 0.5135, 0.3508

# Monochromacy



## Original Color

25.2536, 0.5468, 0.3874

## Achromatopsia

22.3228, 0.3127, 0.3290

## Achromatomaly

21.8943, 0.4030, 0.3687

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 25.2536, 0.5468, 0.3874 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, 101, 31)` looks like.

```
.text, #text, p{  
    color:rgb(224, 101, 31)  
}
```

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, 101, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 101, 31) }
```

## Border

The CSS property to change the border of an element to Yxy 25.2536, 0.5468, 0.3874 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, 101, 31) }
```

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

```
.border{ border-color:rgb(224, 101, 31) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 101, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 101, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 101, 31);  
box-shadow:4px 4px 4px 4px rgb(224, 101,  
31) }
```



# Background

The CSS property to change the background color of an element to Yxy 25.2536, 0.5468, 0.3874 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 101, 31) }
```

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

```
.background{ background-color: rgb(224,  
101, 31) }
```

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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