

Converting Colors

$Y_{xy}(28.3856, 0.5136, 0.3880)$

Have a look what the booklet for
Yxy(28.3856, 0.5136, 0.3880)
contains.

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Color

$\text{Yxy}(28.3943, 0.5133, 0.3878)$

Conversions

Conversions Part 1	
Format	Color
Hex	E07338
RGB	224, 115, 56
RGB Percent	88%, 45%, 22%
CMY	0.1216, 0.5490, 0.7804
CMYK	0.00, 0.49, 0.75, 0.12
HSL	21°, 73%, 55%
HSV	21°, 75%, 88%
XYZ	37.5833, 28.3943, 7.2414
YIQ	140.8650, 83.9030, 4.7590

Conversions

Conversions Part 2

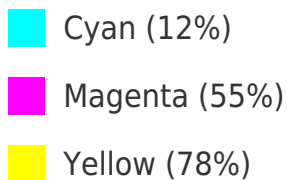
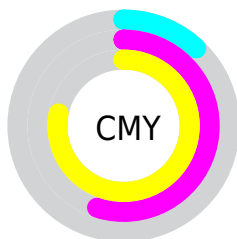
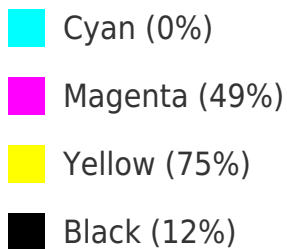
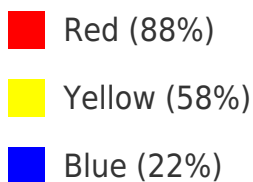
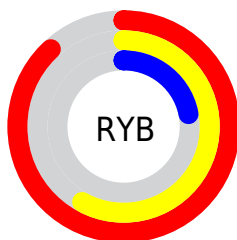
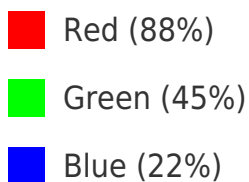
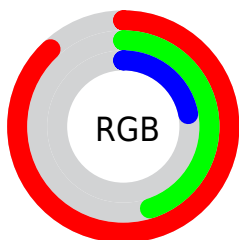
Format	Color
RYB	224, 147, 56
Decimal	14709560
CIELab	60.24, 38.36, 50.42
CIELCh	60, 63.354, 52.740
Yxy	28.3943, 0.5133, 0.3878
Android (android.graphics.Color)	4292899640 (0xFFE07338)
YUV	140.8650, -41.8384, 72.9094
Hunter-Lab	53.2863, 32.6465, 29.2432

Details

The Yxy color **28.3943, 0.5133, 0.3878** is a dark color, and the websafe version is hex **CC6633**. The color can be described as middle washed orange. A complement of this color would be **33.1261, 0.2082, 0.2417**, and the grayscale version is **26.7244, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6765, 0.4496, 0.3926**, and **11.3526, 0.5683, 0.3853** is the 20% darker color. If you saturate the color by 10%, you get **25.1662, 0.5459, 0.3857**, and if you desaturate by 10%, it is **32.2459, 0.4785, 0.3853**.


Distribution





Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3943, 0.5133, 0.3878 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 28.3943, 0.5133, 0.3878 by changing the saturation by 10% instead.

 28.3943, 0.5133,
0.3878


 28.3943, 0.5133,
0.3878


 294.3463, 0.4085,
0.3675


 18.6231, 0.5383,
0.3881


 57.1133, 0.4754,
0.3836


 11.3983, 0.5686,
0.3850


 76.8300, 0.4610,
0.3811


 6.3354, 0.6126,
0.3802


 100.6306, 0.4488,
0.3785

 3.0501, 0.6475,
0.3525

 128.8995, 0.4384,
0.3760

 1.1579, 0.6953,
0.3047

 162.0211, 0.4293,
0.3736

 0.0269, 0.9729,
0.0271

 200.3798, 0.4215,

 0.0000, 0.0000,


0.3714


0.0000


244.3601, 0.4146,
0.3694

 28.3943, 0.5133,
0.3878


 28.3943, 0.5133,
0.3878

 25.1662, 0.5459,
0.3857


 32.2459, 0.4785,
0.3853

 22.5183, 0.5734,
0.3784


 36.7508, 0.4444,
0.3793

 21.3921, 0.5852,
0.3736


 41.9419, 0.4127,
0.3710

 47.8484, 0.3845,
0.3617

 54.4976, 0.3598,
0.3520

 61.9154, 0.3387,
0.3424

 70.1262, 0.3207,
0.3333

 79.1533, 0.3054,
0.3248

 88.8507, 0.2938,
0.3196

Harmonies

Analogous

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



28.3943, 0.4946, 0.3185



28.3943, 0.5133, 0.3878



28.3943, 0.4694, 0.4595

Triad

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



28.3943, 0.5133, 0.3878



28.3943, 0.2091, 0.4159



28.3943, 0.2159, 0.1831

Complementary

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



28.3943, 0.5133, 0.3878



33.1261, 0.2082, 0.2417

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.



28.3943, 0.1635, 0.1852



28.3943, 0.5133, 0.3878



28.3943, 0.1579, 0.2989

Square

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



28.3943, 0.5133, 0.3878



28.3943, 0.2937, 0.5093



28.3943, 0.1443, 0.2203



28.3943, 0.3035, 0.2081

Rectangle

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



28.3943, 0.5133, 0.3878



28.3943, 0.4179, 0.5009



28.3943, 0.1443, 0.2203



28.3943, 0.1945, 0.1806

Sweetspot

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



28.3958, 0.5133, 0.3878



75.8367, 0.3535, 0.3492



21.3984, 0.3971, 0.2181



15.6719, 0.3596, 0.3518



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.



28.3958, 0.5133, 0.3878



31.6645, 0.5623, 0.3822



56.8833, 0.4294, 0.4713



14.4842, 0.3283, 0.3373



12.6485, 0.5824, 0.3758



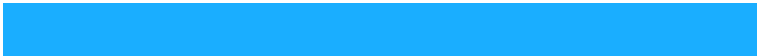
1.0409, 0.5528, 0.3993

Inverse Universe

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



33.1261, 0.2082, 0.2417



37.8536, 0.1962, 0.2205



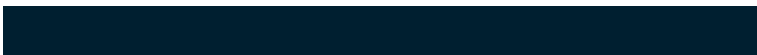
12.1371, 0.1767, 0.1189



14.7196, 0.2982, 0.3206



15.1998, 0.1917, 0.2102



1.2198, 0.1974, 0.2306

Previews

White Background



This preview shows how the Yxy color 28.3943, 0.5133, 0.3878 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 28.3943, 0.5133, 0.3878 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 28.3943, 0.5133, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 28.3943, 0.5133, 0.3878.



This preview shows how white text looks on a background with the Yxy color 28.3943, 0.5133, 0.3878.

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

28.3943, 0.5133, 0.3878

Protanopia

28.6208, 0.4090, 0.4479

Deuteranopia

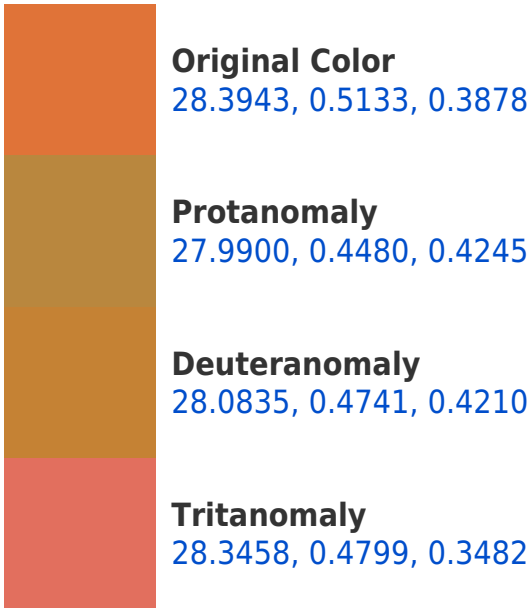
28.3438, 0.4512, 0.4420



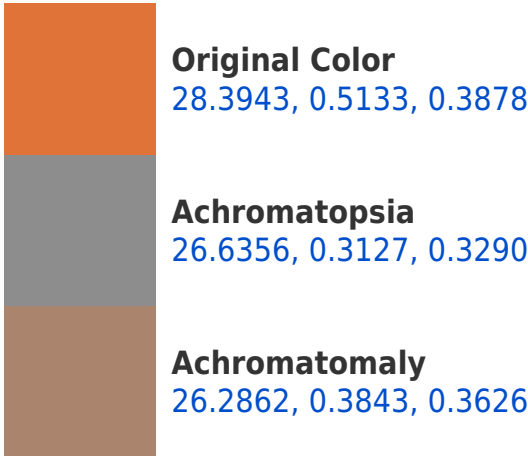
Tritanopia

28.3170, 0.4548, 0.3204

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3943, 0.5133, 0.3878 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, 115, 56)` looks like.

```
.text, #text, p{  
    color:rgb(224, 115, 56)  
}
```

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, 115, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 115, 56) }
```

Border

The CSS property to change the border of an element to Yxy 28.3943, 0.5133, 0.3878 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, 115, 56) }
```

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

```
.border{ border-color:rgb(224, 115, 56) }
```

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

Here you see how a box with a 4 pixel rgb(224, 115, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 115, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 115, 56);  
box-shadow:4px 4px 4px 4px rgb(224, 115,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3943, 0.5133, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 115, 56) }
```

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

```
.background{ background-color: rgb(224,  
115, 56) }
```

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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