

Converting Colors

$Y_{xy}(27.8123, 0.5506, 0.3922)$

Have a look what the booklet for
Yxy(27.8123, 0.5506, 0.3922)
contains.

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Color

Yxy(27.6896, 0.5507, 0.3919)

Conversions

Conversions Part 1

Format	Color
Hex	E96A16
RGB	233, 106, 22
RGB Percent	91%, 42%, 9%
CMY	0.0862, 0.5844, 0.9135
CMYK	0.00, 0.55, 0.91, 0.09
HSL	24°, 83%, 50%
HSV	24°, 91%, 91%
XYZ	38.9096, 27.6896, 4.0556
YIQ	134.3970, 102.6560, 0.8000

Conversions

Conversions Part 2

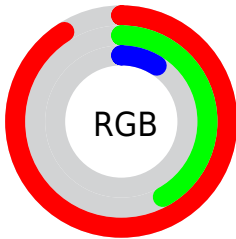
Format	Color
RYB	233, 162, 22
Decimal	15297046
CIELab	59.61, 45.36, 63.56
CIElCh	60, 78.093, 54.485
Yxy	27.6896, 0.5507, 0.3919
Android (android.graphics.Color)	4293487126 (0xFFE96A16)
YUV	134.3970, -55.4117, 86.4748
Hunter-Lab	52.6209, 39.9020, 32.2651

Details

The Yxy color **27.6896, 0.5507, 0.3919** 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 **27.5804, 0.1919, 0.2051**, and the grayscale version is **24.1757, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.9517, 0.4778, 0.4065**, and **11.0923, 0.5922, 0.3680** is the 20% darker color. If you saturate the color by 10%, you get **25.1047, 0.5728, 0.3834**, and if you desaturate by 10%, it is **30.9573, 0.5225, 0.3963**.

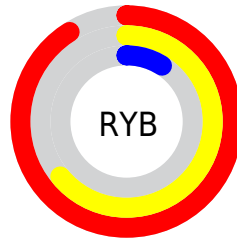
Distribution



Red (91%)

Green (42%)

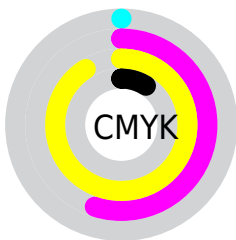
Blue (9%)



Red (91%)

Yellow (64%)

Blue (9%)

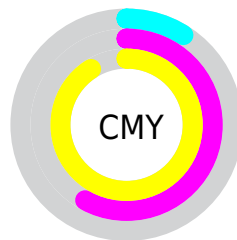


Cyan (0%)

Magenta (55%)

Yellow (91%)

Black (9%)



Cyan (9%)


Magenta (58%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6896, 0.5507, 0.3919 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 27.6896, 0.5507, 0.3919 by changing the saturation by 10% instead.


 27.6896, 0.5507,
0.3919


 27.6896, 0.5507,
0.3919


290.9807, 0.4307,
0.3767

 18.0918, 0.5764,
0.3881


 55.9885, 0.5093,
0.3917


 11.0159, 0.6082,
0.3804


 75.4584, 0.4929,
0.3900


 6.0775, 0.6393,
0.3607

 98.9878, 0.4787,
0.3878

 2.8923, 0.6739,
0.3261

 126.9610, 0.4665,
0.3855

 1.0758, 0.7275,
0.2725

 159.7625, 0.4558,
0.3832

 0.0000, 1.0000,
0.0000

 197.7767, 0.4464,

 0.0000, 0.0000,

0.3809

0.0000

241.3880, 0.4381,
0.3787

27.6896, 0.5507,
0.3919

27.6896, 0.5507,
0.3919

25.1047, 0.5728,
0.3834

30.9573, 0.5225,
0.3963

34.8173, 0.4908,
0.3955

39.3054, 0.4581,
0.3902

44.4526, 0.4267,
0.3820

50.2872, 0.3978,
0.3719

■ 56.8359, 0.3721,
0.3611

■ 64.1235, 0.3496,
0.3501

■ 72.1736, 0.3302,
0.3395

■ 81.0088, 0.3135,
0.3295

Harmonies

Analogous

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



27.6896, 0.5401, 0.3144



27.6896, 0.5507, 0.3919



27.6896, 0.4871, 0.4786

Triad

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



27.6896, 0.5507, 0.3919



27.6896, 0.1800, 0.4290



27.6896, 0.2011, 0.1592

Complementary

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



27.6896, 0.5507, 0.3919



27.5804, 0.1919, 0.2051

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.



27.6896, 0.1403, 0.1583



27.6896, 0.5507, 0.3919



27.6896, 0.1272, 0.2799

Square

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



27.6896, 0.5507, 0.3919



27.6896, 0.2758, 0.5563



27.6896, 0.1168, 0.1926



27.6896, 0.3067, 0.1891

Rectangle

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



27.6896, 0.5507, 0.3919



27.6896, 0.4222, 0.5347



27.6896, 0.1168, 0.1926



27.6896, 0.1761, 0.1556

Sweetspot

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



27.6911, 0.5507, 0.3919



72.6726, 0.3641, 0.3573



20.1757, 0.4333, 0.2209



14.9206, 0.3722, 0.3611



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.



27.6911, 0.5507, 0.3919



30.6545, 0.5736, 0.3828



62.6984, 0.4373, 0.4860



16.0374, 0.3283, 0.3384



14.4681, 0.5700, 0.3856



1.3194, 0.5446, 0.4058

Inverse Universe

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



27.5804, 0.1919, 0.2051



30.1837, 0.1862, 0.1903



8.0625, 0.1574, 0.0791



16.0579, 0.2981, 0.3194



14.2803, 0.1870, 0.1933



1.3085, 0.1928, 0.2141

Previews

White Background



This preview shows how the Yxy color 27.6896, 0.5507, 0.3919 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 27.6896, 0.5507, 0.3919 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 27.6896, 0.5507, 0.3919

Background



This preview shows how black text looks on a background with the Yxy color 27.6896, 0.5507, 0.3919.



This preview shows how white text looks on a background with the Yxy color 27.6896, 0.5507, 0.3919.

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

27.6896, 0.5507, 0.3919

Protanopia

27.7322, 0.4314, 0.4760

Deuteranopia

27.8364, 0.4709, 0.4643



Tritanopia

27.7765, 0.4843, 0.3233

Trichromacy



Original Color

27.6896, 0.5507, 0.3919

Protanomaly

26.7405, 0.4789, 0.4427

Deuteranomaly

27.3567, 0.5031, 0.4357

Tritanomaly

27.6729, 0.5176, 0.3556

Monochromacy



Original Color

27.6896, 0.5507, 0.3919

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.7517, 0.4083, 0.3764

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6896, 0.5507, 0.3919 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(233, 106, 22)` looks like.

```
.text, #text, p{  
    color:rgb(233, 106, 22)  
}
```

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(233, 106, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 106, 22) }
```

Border

The CSS property to change the border of an element to Yxy 27.6896, 0.5507, 0.3919 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(233, 106, 22) }
```

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

```
.border{ border-color:rgb(233, 106, 22) }
```

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

Here you see how a box with a 4 pixel `rgb(233, 106, 22)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 106, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 106, 22);  
box-shadow:4px 4px 4px 4px rgb(233, 106,  
22) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6896, 0.5507, 0.3919 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 106, 22) }
```

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

```
.background{ background-color: rgb(233,  
106, 22) }
```

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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