

Converting Colors

$Y_{xy}(30.7510, 0.5531, 0.3991)$

Have a look what the booklet for
Yxy(30.7510, 0.5531, 0.3991)
contains.

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Color

Yxy(30.6875, 0.5530, 0.3991)

Conversions

Conversions Part 1

Format	Color
Hex	F27100
RGB	242, 113, 0
RGB Percent	95%, 44%, 0%
CMY	0.0510, 0.5568, 0.9998
CMYK	0.00, 0.53, 1.00, 0.05
HSL	28°, 100%, 47%
HSV	28°, 100%, 95%
XYZ	42.5211, 30.6875, 3.6831
YIQ	138.6890, 113.1570, -7.7950

Conversions

Conversions Part 2

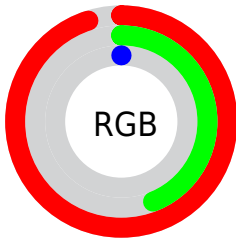
Format	Color
R _Y B	242, 212, 0
Decimal	15888640
CIE Lab	62.24, 45.15, 70.22
CIE LCh	62, 83.484, 57.258
Yxy	30.6875, 0.5530, 0.3991
Android (android.graphics.Color)	4294078720 (0xFFFF27100)
YUV	138.6890, -68.3737, 90.6037
Hunter-Lab	55.3963, 40.0697, 34.8354

Details

The Yxy color **30.6875, 0.5530, 0.3991** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **22.1155, 0.1795, 0.1663**, and the grayscale version is **25.9319, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.3271, 0.4771, 0.4193**, and **12.8025, 0.5848, 0.3738** is the 20% darker color. If you saturate the color by 10%, you get **30.6843, 0.5530, 0.3991**, and if you desaturate by 10%, it is **33.8424, 0.5319, 0.4070**.

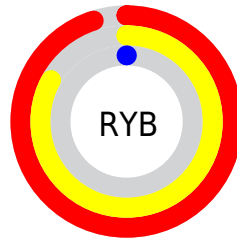
Distribution



Red (95%)

Green (44%)

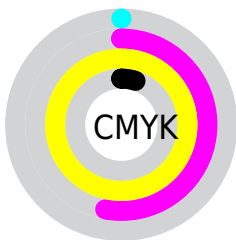
Blue (0%)



Red (95%)

Yellow (83%)

Blue (0%)

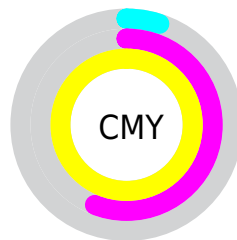


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (5%)



Cyan (5%)

Magenta (56%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.6875, 0.5530, 0.3991 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 30.6875, 0.5530, 0.3991 by changing the saturation by 10% instead.

 30.6875, 0.5530,
0.3991


 30.6875, 0.5530,
0.3991


305.0960, 0.4359,
0.3826


 20.3610, 0.5766,
0.3952


 60.7477, 0.5139,
0.3990


 12.6577, 0.6061,
0.3883

 81.2503, 0.4980,
0.3971


 7.1933, 0.6315,
0.3685


 105.9136, 0.4841,
0.3948

 3.5833, 0.6627,
0.3373

 135.1221, 0.4719,
0.3923

 1.4433, 0.7100,
0.2900

 169.2602, 0.4612,
0.3898


 0.2483, 0.8531,
0.1469

 208.7123, 0.4518,

 0.0000, 1.0000,


0.3873

0.0000


 253.8628, 0.4434,
0.3849


 0.0000, 0.0000,
0.0000


 30.6875, 0.5530,
0.3991

 30.6875, 0.5530,
0.3991


 30.6843, 0.5530,
0.3991

 33.8424, 0.5319,
0.4070

 37.5041, 0.5067,
0.4099

 41.7156, 0.4783,
0.4073

 46.5068, 0.4490,
0.4004

 51.9045, 0.4203,
0.3903

■ 57.9335, 0.3936,
0.3785

■ 64.6165, 0.3694,
0.3658

■ 71.9751, 0.3479,
0.3530

■ 80.0299, 0.3290,
0.3407

Harmonies

Analogous

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



30.6875, 0.5521, 0.3198



30.6875, 0.5530, 0.3991



30.6875, 0.4814, 0.4889

Triad

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



30.6875, 0.5530, 0.3991



30.6875, 0.1689, 0.4166



30.6875, 0.2060, 0.1570

Complementary

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



30.6875, 0.5530, 0.3991



22.1155, 0.1795, 0.1663

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.



30.6875, 0.1404, 0.1531



30.6875, 0.5530, 0.3991



30.6875, 0.1202, 0.2665

Square

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



30.6875, 0.5530, 0.3991



30.6875, 0.2632, 0.5579



30.6875, 0.1134, 0.1836



30.6875, 0.3184, 0.1899

Rectangle

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



30.6875, 0.5530, 0.3991



30.6875, 0.4130, 0.5463



30.6875, 0.1134, 0.1836



30.6875, 0.1792, 0.1524

Sweetspot

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



30.6892, 0.5530, 0.3991



72.6991, 0.3696, 0.3659



20.4637, 0.4851, 0.2446



14.8605, 0.3795, 0.3713



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.



30.6892, 0.5530, 0.3991



34.4696, 0.5535, 0.3987



77.6792, 0.4253, 0.5005



16.9756, 0.3282, 0.3401



16.7533, 0.5503, 0.4012



1.5911, 0.5287, 0.4184

Inverse Universe

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



22.1155, 0.1795, 0.1663



24.8094, 0.1794, 0.1658



6.5865, 0.1504, 0.0615



16.6241, 0.2980, 0.3177



12.1553, 0.1803, 0.1690



1.2103, 0.1866, 0.1917

Previews

White Background



This preview shows how the Yxy color 30.6875, 0.5530, 0.3991 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.6875, 0.5530, 0.3991 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 ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.6875, 0.5530, 0.3991

Background



This preview shows how black text looks on a background with the Yxy color 30.6875, 0.5530, 0.3991.



This preview shows how white text looks on a background with the Yxy color 30.6875, 0.5530, 0.3991.

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

30.6875, 0.5530, 0.3991

Protanopia

30.7372, 0.4359, 0.4821

Deuteranopia

30.7213, 0.4722, 0.4633



Tritanopia

30.6855, 0.4795, 0.3224

Trichromacy



Original Color

30.6875, 0.5530, 0.3991

Protanomaly

29.6588, 0.4823, 0.4500

Deuteranomaly

30.2042, 0.5046, 0.4376

Tritanomaly

30.4132, 0.5231, 0.3632

Monochromacy



Original Color

30.6875, 0.5530, 0.3991

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.9000, 0.4169, 0.3905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.6875, 0.5530, 0.3991 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(242, 113, 0)` looks like.

```
.text, #text, p{  
    color:rgb(242, 113, 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(242, 113, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 113, 0) }
```

Border

The CSS property to change the border of an element to Yxy 30.6875, 0.5530, 0.3991 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(242, 113, 0) }
```

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

```
.border{ border-color:rgb(242, 113, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 113, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 113, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 113, 0);  
box-shadow:4px 4px 4px 4px rgb(242, 113,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 30.6875, 0.5530, 0.3991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 113, 0) }
```

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

```
.background{ background-color: rgb(242,  
113, 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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