

Converting Colors

$Y_{xy}(31.3376, 0.5419, 0.4079)$

Have a look what the booklet for
Yxy(31.3376, 0.5419, 0.4079)
contains.

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Color

Yxy(31.1982, 0.5424, 0.4075)

Conversions

Conversions Part 1

| Format | Color |
|---------------|------------------------------|
| Hex | ED7700 |
| RGB | 237, 119, 0 |
| RGB Percent | 93%, 47%, 0% |
| CMY | 0.0705, 0.5334, 0.9996 |
| CMYK | 0.00, 0.50, 1.00, 0.07 |
| HSL | 30°, 100%, 46% |
| HSV | 30°, 100%, 93% |
| XYZ | 41.5261, 31.1982, 3.8357 |
| YIQ | 140.7160, 108.5270, -11.9930 |

Conversions

Conversions Part 2

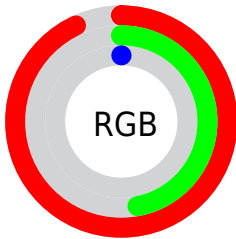
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 235, 237, 0 |
| Decimal | 15562496 |
| CIE Lab | 62.67, 40.29, 70.08 |
| CIE LCh | 63, 80.837, 60.109 |
| Yxy | 31.1982, 0.5424, 0.4075 |
| Android (android.graphics.Color) | 4293752576 (0xFFED7700) |
| YUV | 140.7160, -69.3730, 84.4411 |
| Hunter-Lab | 55.8553, 34.9605, 35.0272 |

Details

The Yxy color **31.1982, 0.5424, 0.4075** 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 **19.0995, 0.1763, 0.1546**, and the grayscale version is **26.7687, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.5893, 0.4711, 0.4242**, and **13.1329, 0.5715, 0.3844** is the 20% darker color. If you saturate the color by 10%, you get **31.1885, 0.5425, 0.4075**, and if you desaturate by 10%, it is **34.2517, 0.5226, 0.4146**.

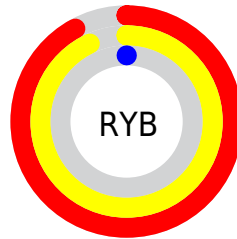
Distribution



Red (93%)

Green (47%)

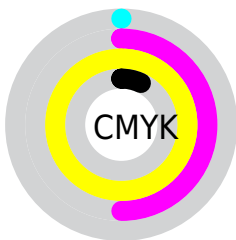
Blue (0%)



Red (92%)

Yellow (93%)

Blue (0%)

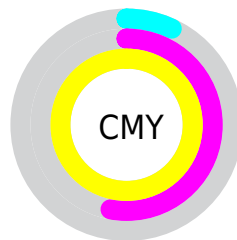


Cyan (0%)

Magenta (50%)

Yellow (100%)

Black (7%)



Cyan (7%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1982, 0.5424, 0.4075 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 31.1982, 0.5424, 0.4075 by changing the saturation by 10% instead.


 31.1982, 0.5424,
0.4075


 31.1982, 0.5424,
0.4075


307.4504, 0.4308,
0.3856

 20.7498, 0.5648,
0.4052


 61.5520, 0.5052,
0.4051


 12.9413, 0.5924,
0.4000


 82.2262, 0.4900,
0.4025

 7.3881, 0.6168,
0.3832


 107.0778, 0.4768,
0.3996

 3.7060, 0.6453,
0.3547

 136.4911, 0.4652,
0.3966

 1.5105, 0.6890,
0.3110

 170.8507, 0.4550,
0.3936

 0.2961, 0.8190,
0.1810

 210.5408, 0.4460,


 0.0000, 1.0000,


0.3908


0.0000


 255.9459, 0.4380,
0.3881

 0.0000, 0.0000,
0.0000


 31.1982, 0.5424,
0.4075

 31.1982, 0.5424,
0.4075


 31.1885, 0.5425,
0.4075

 34.2517, 0.5226,
0.4146

 37.7441, 0.4991,
0.4166

 41.7132, 0.4725,
0.4132

 46.1848, 0.4448,
0.4055

 51.1817, 0.4176,
0.3946

■ 56.7248, 0.3919,
0.3819

■ 62.8336, 0.3685,
0.3684

■ 69.5264, 0.3474,
0.3547

■ 76.8204, 0.3289,
0.3415

Harmonies

Analogous

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



31.1982, 0.5481, 0.3286



31.1982, 0.5424, 0.4075



31.1982, 0.4697, 0.4948

Triad

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



31.1982, 0.5424, 0.4075



31.1982, 0.1671, 0.3980



31.1982, 0.2178, 0.1633

Complementary

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



31.1982, 0.5424, 0.4075



19.0995, 0.1763, 0.1546

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.



31.1982, 0.1492, 0.1568



31.1982, 0.5424, 0.4075



31.1982, 0.1231, 0.2590

Square

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



31.1982, 0.5424, 0.4075



31.1982, 0.2561, 0.5397



31.1982, 0.1194, 0.1835



31.1982, 0.3310, 0.1982

Rectangle

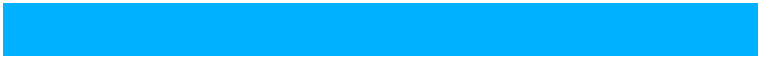
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.1982, 0.5424, 0.4075



31.1982, 0.4022, 0.5469



31.1982, 0.1194, 0.1835



31.1982, 0.1900, 0.1579

Sweetspot

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



31.1999, 0.5424, 0.4075



74.0648, 0.3688, 0.3686



19.3303, 0.4992, 0.2524



15.1827, 0.3785, 0.3744



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.



31.1999, 0.5424, 0.4075



36.6918, 0.5431, 0.4070



78.5842, 0.4193, 0.5052



16.3032, 0.3280, 0.3408



17.2884, 0.5399, 0.4095



1.5500, 0.5188, 0.4263

Inverse Universe

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



19.0995, 0.1763, 0.1546



22.4052, 0.1761, 0.1539



6.1179, 0.1500, 0.0600



15.7886, 0.2981, 0.3169



10.6823, 0.1771, 0.1574



1.0312, 0.1840, 0.1825

Previews

White Background



This preview shows how the Yxy color 31.1982, 0.5424, 0.4075 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 31.1982, 0.5424, 0.4075 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 31.1982, 0.5424, 0.4075

Background



This preview shows how black text looks on a background with the Yxy color 31.1982, 0.5424, 0.4075.



This preview shows how white text looks on a background with the Yxy color 31.1982, 0.5424, 0.4075.

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

31.1982, 0.5424, 0.4075

Protanopia

31.4945, 0.4350, 0.4837

Deuteranopia

31.1530, 0.4719, 0.4635



Tritanopia

31.3777, 0.4643, 0.3221

Trichromacy



Original Color

31.1982, 0.5424, 0.4075

Protanomaly

30.6809, 0.4763, 0.4552

Deuteranomaly

30.7378, 0.4988, 0.4421

Tritanomaly

31.0679, 0.5105, 0.3669

Monochromacy



Original Color

31.1982, 0.5424, 0.4075

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.7433, 0.4124, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1982, 0.5424, 0.4075 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(237, 119, 0)` looks like.

```
.text, #text, p{  
    color:rgb(237, 119, 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(237, 119, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 119, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.1982, 0.5424, 0.4075 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(237, 119, 0) }
```

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

```
.border{ border-color:rgb(237, 119, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 119, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 119, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 119, 0);  
box-shadow:4px 4px 4px 4px rgb(237, 119,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1982, 0.5424, 0.4075 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 119, 0) }
```

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

```
.background{ background-color: rgb(237,  
119, 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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