

Converting Colors

Yxy(31.8848, 0.5652, 0.3895)

Have a look what the booklet for
Yxy(31.8848, 0.5652, 0.3895)
contains.

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Color

Yxy(31.7960, 0.5657, 0.3890)

Conversions

Conversions Part 1

Format	Color
Hex	FE6C00
RGB	254, 108, 0
RGB Percent	100%, 42%, 0%
CMY	0.0039, 0.5765, 0.9996
CMYK	0.00, 0.57, 1.00, 0.00
HSL	25°, 100%, 50%
HSV	25°, 100%, 100%
XYZ	46.2391, 31.7960, 3.7027
YIQ	139.3420, 121.6840, -2.6360

Conversions

Conversions Part 2

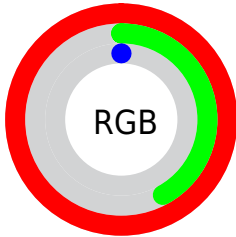
Format	Color
R _Y B	254, 188, 0
Decimal	16673792
CIE Lab	63.17, 51.98, 71.71
CIE LCh	63, 88.565, 54.066
Yxy	31.7960, 0.5657, 0.3890
Android (android.graphics.Color)	4294863872 (0xFFFE6C00)
YUV	139.3420, -68.6956, 100.5551
Hunter-Lab	56.3879, 47.6941, 35.5783

Details

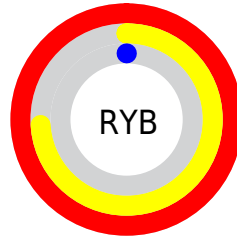
The Yxy color **31.7960, 0.5657, 0.3890** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated orange. A complement of this color would be **27.7480, 0.1835, 0.1807**, and the grayscale version is **26.1976, 0.3127, 0.3290**.

A 20% lighter version of the original color is **47.8841, 0.4808, 0.4155**, and **13.3650, 0.6011, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **31.7860, 0.5658, 0.3890**, and if you desaturate by 10%, it is **35.2133, 0.5433, 0.3978**.

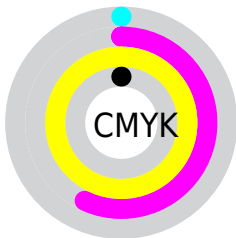
Distribution



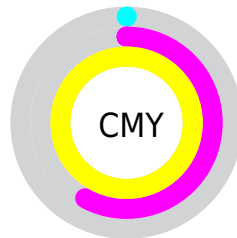
- Red (100%)
- Green (42%)
- Blue (0%)



- Red (100%)
- Yellow (74%)
- Blue (0%)



- Cyan (0%)
- Magenta (57%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (58%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7960, 0.5657, 0.3890 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 31.7960, 0.5657, 0.3890 by changing the saturation by 10% instead.


 31.7960, 0.5657,
0.3890


 31.7960, 0.5657,
0.3890


310.1889, 0.4434,
0.3794

 21.2057, 0.5901,
0.3834


 62.4911, 0.5250,
0.3915

 13.2745, 0.6204,
0.3742


 83.3648, 0.5084,
0.3907


 7.6178, 0.6473,
0.3527


 108.4351, 0.4939,
0.3892

 3.8514, 0.6801,
0.3199

 138.0863, 0.4812,
0.3874

 1.5908, 0.7285,
0.2715

 172.7029, 0.4700,
0.3854

 0.3514, 0.8408,
0.1592

 212.6693, 0.4601,


 0.0000, 1.0000,

0.3834


0.0000


 258.3698, 0.4513,
0.3814

 0.0000, 0.0000,
0.0000

 31.7960, 0.5657,
0.3890


 31.7960, 0.5657,
0.3890


 31.7860, 0.5658,
0.3890

 35.2133, 0.5433,
0.3978

 39.2625, 0.5161,
0.4017

 43.9964, 0.4856,
0.4001

 49.4535, 0.4541,
0.3942

 55.6685, 0.4237,
0.3851

62.6733, 0.3956,
0.3743

70.4977, 0.3704,
0.3627

79.1695, 0.3483,
0.3510

88.7154, 0.3292,
0.3396

Harmonies

Analogous

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



31.7960, 0.5566, 0.3094



31.7960, 0.5657, 0.3890



31.7960, 0.4953, 0.4813

Triad

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



31.7960, 0.5657, 0.3890



31.7960, 0.1708, 0.4401



31.7960, 0.1924, 0.1497

Complementary

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



31.7960, 0.5657, 0.3890



27.7480, 0.1835, 0.1807

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.



31.7960, 0.1302, 0.1487



31.7960, 0.5657, 0.3890



31.7960, 0.1165, 0.2759

Square

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



31.7960, 0.5657, 0.3890



31.7960, 0.2712, 0.5791



31.7960, 0.1064, 0.1837



31.7960, 0.3035, 0.1802

Rectangle

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



31.7960, 0.5657, 0.3890



31.7960, 0.4255, 0.5443



31.7960, 0.1064, 0.1837



31.7960, 0.1667, 0.1459

Sweetspot

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



31.7978, 0.5657, 0.3890



71.0876, 0.3705, 0.3627



23.2197, 0.4642, 0.2331



14.4815, 0.3808, 0.3677



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.



31.7978, 0.5657, 0.3890



32.0621, 0.5658, 0.3889



79.2663, 0.4350, 0.4928



19.2560, 0.3284, 0.3391



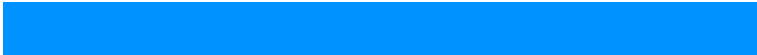
17.0343, 0.5629, 0.3912



1.8697, 0.5428, 0.4072

Inverse Universe

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



27.7480, 0.1835, 0.1807



27.9744, 0.1835, 0.1806



7.7028, 0.1512, 0.0641



19.1125, 0.2979, 0.3186



14.9195, 0.1842, 0.1832



1.6693, 0.1893, 0.2013

Previews

White Background



This preview shows how the Yxy color 31.7960, 0.5657, 0.3890 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 31.7960, 0.5657, 0.3890 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 31.7960, 0.5657, 0.3890

Background



This preview shows how black text looks on a background with the Yxy color 31.7960, 0.5657, 0.3890.



This preview shows how white text looks on a background with the Yxy color 31.7960, 0.5657, 0.3890.

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

31.7960, 0.5657, 0.3890

Protanopia

32.0614, 0.4351, 0.4818

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

31.8455, 0.4953, 0.3239

Trichromacy



Original Color

31.7960, 0.5657, 0.3890

Protanomaly

30.4824, 0.4878, 0.4453

Deuteranomaly

31.1015, 0.5097, 0.4335

Tritanomaly

31.5903, 0.5365, 0.3586

Monochromacy



Original Color

31.7960, 0.5657, 0.3890

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.9667, 0.4244, 0.3862

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7960, 0.5657, 0.3890 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(254, 108, 0)` looks like.

```
.text, #text, p{  
    color:rgb(254, 108, 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(254, 108, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 108, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.7960, 0.5657, 0.3890 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(254, 108, 0) }
```

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

```
.border{ border-color:rgb(254, 108, 0) }
```

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

Here you see how a box with a 4 pixel rgb(254, 108, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 108, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 108, 0);  
box-shadow:4px 4px 4px 4px rgb(254, 108,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7960, 0.5657, 0.3890 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(254, 108, 0) }
```

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

```
.background{ background-color: rgb(254,  
108, 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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