

Converting Colors

$Y_{xy}(31.9774, 0.5547, 0.3977)$

Have a look what the booklet for
Yxy(31.9774, 0.5547, 0.3977)
contains.

Yxy(31.9911, 0.5554, 0.3972)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.9911, 0.5554, 0.3972)

Conversions

Conversions Part 1

Format	Color
Hex	F87200
RGB	248, 114, 0
RGB Percent	97%, 45%, 0%
CMY	0.0274, 0.5530, 0.9999
CMYK	0.00, 0.54, 1.00, 0.03
HSL	28°, 100%, 49%
HSV	28°, 100%, 97%
XYZ	44.7328, 31.9911, 3.8177
YIQ	141.0700, 116.4580, -7.0460

Conversions

Conversions Part 2

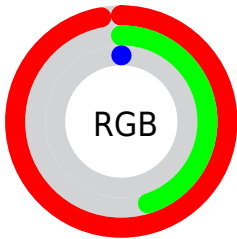
Format	Color
R_{YB}	248, 211, 0
Decimal	16282112
CIE Lab	63.34, 46.96, 71.33
CIE LCh	63, 85.397, 56.639
Yxy	31.9911, 0.5554, 0.3972
Android (android.graphics.Color)	4294472192 (0xFFFF87200)
YUV	141.0700, -69.5475, 93.7776
Hunter-Lab	56.5607, 42.1911, 35.5906

Details

The Yxy color **31.9911, 0.5554, 0.3972** 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 **23.8400, 0.1802, 0.1686**, and the grayscale version is **26.9104, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.7075, 0.4756, 0.4196**, and **13.5278, 0.5882, 0.3712** is the 20% darker color. If you saturate the color by 10%, you get **31.9900, 0.5554, 0.3972**, and if you desaturate by 10%, it is **35.3106, 0.5341, 0.4053**.

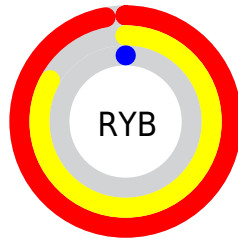
Distribution



Red (97%)

Green (45%)

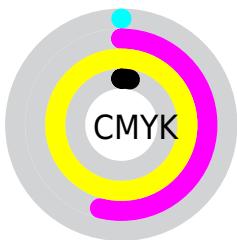
Blue (0%)



Red (97%)

Yellow (83%)

Blue (0%)

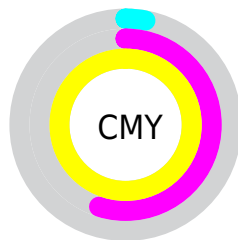


Cyan (0%)

Magenta (54%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (55%)


Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 31.9911, 0.5554, 0.3972 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 31.9911, 0.5554, 0.3972 by changing the saturation by 10% instead.


 31.9911, 0.5554,
0.3972


 31.9911, 0.5554,
0.3972


311.0787, 0.4381,
0.3823


 21.3547, 0.5788,
0.3931


 62.7971, 0.5164,
0.3976

 13.3835, 0.6076,
0.3855


 83.7356, 0.5005,
0.3960

 7.6932, 0.6336,
0.3664


 108.8768, 0.4865,
0.3939

 3.8992, 0.6643,
0.3357

 138.6052, 0.4743,
0.3915

 1.6174, 0.7103,
0.2897

 173.3052, 0.4636,
0.3891


 0.3693, 0.8200,
0.1800

 213.3612, 0.4541,


 0.0000, 1.0000,


0.3868


0.0000


 259.1576, 0.4456,
0.3845

 0.0000, 0.0000,
0.0000

 31.9911, 0.5554,
0.3972

 31.9911, 0.5554,
0.3972

 31.9900, 0.5554,
0.3972

 35.3106, 0.5341,
0.4053

 39.1777, 0.5085,
0.4084

 43.6383, 0.4798,
0.4061

 48.7252, 0.4501,
0.3994

 54.4675, 0.4211,
0.3895

60.8920, 0.3941,
0.3778

68.0236, 0.3696,
0.3653

75.8859, 0.3480,
0.3527

84.5010, 0.3291,
0.3405

Harmonies

Analogous

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



31.9911, 0.5529, 0.3178



31.9911, 0.5554, 0.3972



31.9911, 0.4841, 0.4876

Triad

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



31.9911, 0.5554, 0.3972



31.9911, 0.1693, 0.4209



31.9911, 0.2034, 0.1556

Complementary

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



31.9911, 0.5554, 0.3972



23.8400, 0.1802, 0.1686

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.



31.9911, 0.1385, 0.1523



31.9911, 0.5554, 0.3972



31.9911, 0.1195, 0.2682

Square

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



31.9911, 0.5554, 0.3972



31.9911, 0.2648, 0.5620



31.9911, 0.1121, 0.1837



31.9911, 0.3156, 0.1881

Rectangle

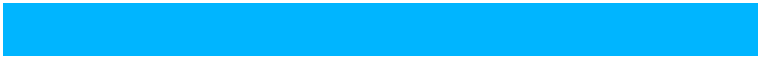
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.9911, 0.5554, 0.3972



31.9911, 0.4154, 0.5460



31.9911, 0.1121, 0.1837



31.9911, 0.1768, 0.1512

Sweetspot

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



31.9929, 0.5554, 0.3972



72.4148, 0.3698, 0.3654



21.7491, 0.4782, 0.2408



14.7936, 0.3797, 0.3707



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.



31.9929, 0.5554, 0.3972



34.0279, 0.5556, 0.3970



79.7284, 0.4285, 0.4980



18.5397, 0.3282, 0.3399



17.5522, 0.5528, 0.3993



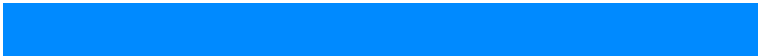
1.8350, 0.5328, 0.4151

Inverse Universe

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



23.8400, 0.1802, 0.1686



25.3413, 0.1801, 0.1684



7.0517, 0.1506, 0.0622



18.1972, 0.2980, 0.3178



13.1592, 0.1809, 0.1713



1.4309, 0.1865, 0.1915

Previews

White Background



This preview shows how the Yxy color 31.9911, 0.5554, 0.3972 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 31.9911, 0.5554, 0.3972 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 31.9911, 0.5554, 0.3972

Background



This preview shows how black text looks on a background with the Yxy color 31.9911, 0.5554, 0.3972.



This preview shows how white text looks on a background with the Yxy color 31.9911, 0.5554, 0.3972.

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

31.9911, 0.5554, 0.3972

Protanopia

32.0573, 0.4354, 0.4823

Deuteranopia

32.0271, 0.4713, 0.4640



Tritanopia

32.0096, 0.4830, 0.3227

Trichromacy



Original Color

31.9911, 0.5554, 0.3972

Protanomaly

30.7791, 0.4833, 0.4489

Deuteranomaly

31.3463, 0.5054, 0.4369

Tritanomaly

31.7292, 0.5257, 0.3621

Monochromacy



Original Color

31.9911, 0.5554, 0.3972

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

26.6741, 0.4186, 0.3879

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.9911, 0.5554, 0.3972 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(248, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(248, 114, 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(248, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 31.9911, 0.5554, 0.3972 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(248, 114, 0) }
```

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

```
.border{ border-color:rgb(248, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 31.9911, 0.5554, 0.3972 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 114, 0) }
```

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

```
.background{ background-color: rgb(248,  
114, 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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