

Converting Colors

$Y_{xy}(34.6338, 0.5527, 0.3994)$

Have a look what the booklet for
Yxy(34.6338, 0.5527, 0.3994)
contains.

Yxy(34.6929, 0.5524, 0.3996)	3
Conversions	4
Details	6
Harmonies	12
Previews	22
Color Blindness Simulation	25
CSS Examples	28

Color

Yxy(34.6929, 0.5524, 0.3996)

Conversions

Conversions Part 1

Format	Color
Hex	FF7800
RGB	255, 120, 0
RGB Percent	100%, 47%, 0%
CMY	0.0000, 0.5294, 1.0000
CMYK	0.00, 0.53, 1.00, 0.00
HSL	28°, 100%, 50%
HSV	28°, 100%, 100%
XYZ	47.9589, 34.6929, 4.1673
YIQ	146.6850, 118.9800, -8.7000

Conversions

Conversions Part 2

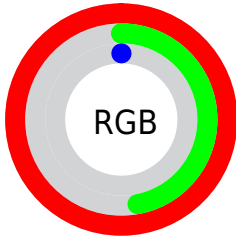
Format	Color
R _Y B	255, 227, 0
Decimal	16742400
CIE Lab	65.51, 46.73, 73.13
CIE LCh	66, 86.786, 57.424
Yxy	34.6929, 0.5524, 0.3996
Android (android.graphics.Color)	4294932480 (0xFFFF7800)
YUV	146.6850, -72.3157, 94.9923
Hunter-Lab	58.9007, 42.2643, 37.0356

Details

The Yxy color **34.6929, 0.5524, 0.3996** is a dark color, and the websafe version is hex **FF6600**, and the color name is **safety orange**. The color can be described as dark saturated orange. A complement of this color would be **24.5476, 0.1790, 0.1645**, and the grayscale version is **29.3081, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3749, 0.4687, 0.4254**, and **14.9615, 0.5830, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **34.6933, 0.5524, 0.3996**, and if you desaturate by 10%, it is **38.2450, 0.5316, 0.4076**.

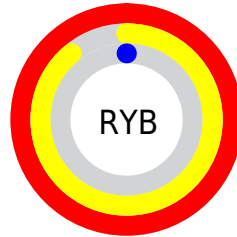
Distribution



Red (100%)

Green (47%)

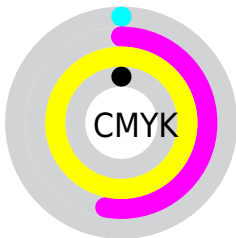
Blue (0%)



Red (100%)

Yellow (89%)

Blue (0%)

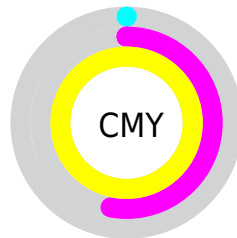


Cyan (0%)

Magenta (53%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.6929, 0.5524, 0.3996 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 34.6929, 0.5524, 0.3996 by changing the saturation by 10% instead.


 34.6929, 0.5524,
0.3996


 34.6929, 0.5524,
0.3996


323.2107, 0.4382,
0.3836

 23.4264, 0.5749,
0.3961


 67.0097, 0.5148,
0.3994


 14.9087, 0.6014,
0.3888


 88.8289, 0.4993,
0.3977

 8.7553, 0.6277,
0.3723


 114.9344, 0.4858,
0.3955

 4.5819, 0.6560,
0.3440

 145.7106, 0.4738,
0.3931

 2.0041, 0.6977,
0.3023

 181.5419, 0.4633,
0.3906

 0.6099, 0.7717,
0.2283


 222.8128, 0.4540,


 0.0000, 1.0000,

0.3882


0.0000

 269.9076, 0.4457,
0.3859

 0.0000, 0.0000,
0.0000


 34.6929, 0.5524,
0.3996

 34.6929, 0.5524,
0.3996


 34.6933, 0.5524,
0.3996

 38.2450, 0.5316,
0.4076

 42.3668, 0.5065,
0.4106

 47.1045, 0.4784,
0.4081

 52.4917, 0.4491,
0.4011

 58.5589, 0.4205,
0.3910

65.3335, 0.3938,
0.3790

72.8413, 0.3695,
0.3662

81.1066, 0.3480,
0.3533

90.1522, 0.3291,
0.3408

Harmonies

Analogous

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



34.6929, 0.5519, 0.3203



34.6929, 0.5524, 0.3996



34.6929, 0.4807, 0.4893

Triad

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



34.6929, 0.5524, 0.3996



34.6929, 0.1688, 0.4155



34.6929, 0.2067, 0.1574

Complementary

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



34.6929, 0.5524, 0.3996



24.5476, 0.1790, 0.1645

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.



34.6929, 0.1409, 0.1533



34.6929, 0.5524, 0.3996



34.6929, 0.1203, 0.2660

Square

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



34.6929, 0.5524, 0.3996



34.6929, 0.2628, 0.5569



34.6929, 0.1137, 0.1836



34.6929, 0.3191, 0.1904

Rectangle

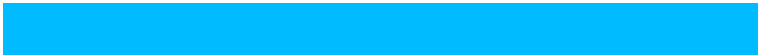
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



34.6929, 0.5524, 0.3996



34.6929, 0.4124, 0.5464



34.6929, 0.1137, 0.1836



34.6929, 0.1798, 0.1527

Sweetspot

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



34.6933, 0.5524, 0.3996



72.8413, 0.3695, 0.3662



23.0376, 0.4857, 0.2449



14.8940, 0.3794, 0.3716



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.



34.6933, 0.5524, 0.3996



87.4761, 0.4254, 0.5005



19.3966, 0.3282, 0.3402



18.4213, 0.5497, 0.4017



2.0102, 0.5310, 0.4166

Inverse Universe

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



24.5476, 0.1790, 0.1645



7.4045, 0.1504, 0.0614



18.9699, 0.2979, 0.3175



13.1284, 0.1798, 0.1673



1.4971, 0.1853, 0.1870

Previews

White Background



This preview shows how the Yxy color 34.6929, 0.5524, 0.3996 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 34.6929, 0.5524, 0.3996 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 34.6929, 0.5524, 0.3996

Background



This preview shows how black text looks on a background with the Yxy color 34.6929, 0.5524, 0.3996.



This preview shows how white text looks on a background with the Yxy color 34.6929, 0.5524, 0.3996.

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

34.6929, 0.5524, 0.3996

Protanopia

34.9068, 0.4361, 0.4825

Deuteranopia

34.5507, 0.4717, 0.4636



Tritanopia

34.6751, 0.4717, 0.3226

Trichromacy



Original Color

34.6929, 0.5524, 0.3996

Protanomaly

33.5507, 0.4823, 0.4502

Deuteranomaly

34.1283, 0.5035, 0.4384

Tritanomaly

34.2866, 0.5184, 0.3641

Monochromacy



Original Color

34.6929, 0.5524, 0.3996

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

29.1386, 0.4166, 0.3889

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6929, 0.5524, 0.3996 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(255, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 120, 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(255, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 34.6929, 0.5524, 0.3996 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(255, 120, 0) }
```

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

```
.border{ border-color:rgb(255, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 120,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 34.6929, 0.5524, 0.3996 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 120, 0) }
```

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

```
.background{ background-color: rgb(255,  
120, 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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