

Converting Colors

$Y_{xy}(29.9211, 0.5542, 0.3592)$

Have a look what the booklet for
Yxy(29.9211, 0.5542, 0.3592)
contains.

Yxy(29.9211, 0.5542, 0.3592)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.9211, 0.5542, 0.3592)

Conversions

Conversions Part 1

Format	Color
Hex	FF6039
RGB	255, 96, 57
RGB Percent	100%, 38%, 22%
CMY	0.0000, 0.6235, 0.7764
CMYK	0.00, 0.62, 0.78, 0.00
HSL	12°, 100%, 61%
HSV	12°, 78%, 100%
XYZ	46.1645, 29.9211, 7.2137
YIQ	139.0950, 107.2830, 21.5790

Conversions

Conversions Part 2

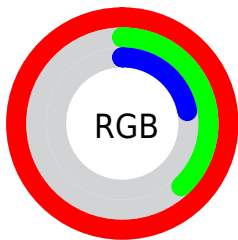
Format	Color
R_{YB}	255, 106, 57
Decimal	16736313
CIE _{Lab}	61.59, 58.61, 52.84
CIE _{LCh}	62, 78.912, 42.038
Yxy	29.9211, 0.5542, 0.3592
Android (android.graphics.Color)	4294926393 (0xFFFF6039)
YUV	139.0950, -40.4728, 101.6487
Hunter-Lab	54.7002, 54.9205, 30.4711

Details

The Yxy color **29.9211, 0.5542, 0.3592** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **57.2058, 0.2163, 0.2793**, and the grayscale version is **25.9845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.7780, 0.4611, 0.3746**, and **12.2221, 0.6169, 0.3443** is the 20% darker color. If you saturate the color by 10%, you get **26.4646, 0.5902, 0.3546**, and if you desaturate by 10%, it is **34.4778, 0.5128, 0.3602**.

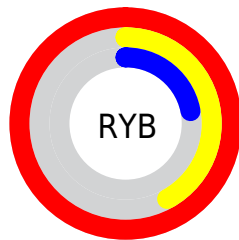
Distribution



Red (100%)

Green (38%)

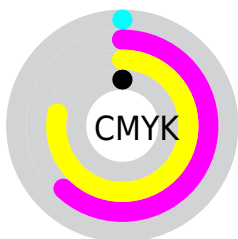
Blue (22%)



Red (100%)

Yellow (42%)

Blue (22%)

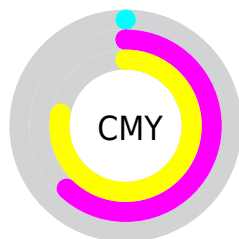


Cyan (0%)

Magenta (62%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (62%)


Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9211, 0.5542, 0.3592 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 29.9211, 0.5542, 0.3592 by changing the saturation by 10% instead.


 29.9211, 0.5542,
0.3592


 29.9211, 0.5542,
0.3592


301.5365, 0.4297,
0.3578


 19.7787, 0.5831,
0.3540


 59.5374, 0.5098,
0.3627


 12.2343, 0.6176,
0.3440


 79.7801, 0.4928,
0.3628

 6.9034, 0.6653,
0.3293


 104.1583, 0.4782,
0.3623

 3.4018, 0.7059,
0.2941

 133.0565, 0.4657,
0.3616

 1.3449, 0.7598,
0.2402

 166.8590, 0.4549,
0.3607

 0.1756, 0.9132,
0.0868

 205.9502, 0.4454,

 0.0000, 1.0000,

0.3597

0.0000

250.7146, 0.4371,
0.3588

■ 0.0000, 0.0000,
0.0000

■ 29.9211, 0.5542,
0.3592

■ 29.9211, 0.5542,
0.3592

■ 26.4646, 0.5902,
0.3546

■ 34.4778, 0.5128,
0.3602

■ 24.0095, 0.6161,
0.3469

■ 40.2212, 0.4711,
0.3582

■ 23.5600, 0.6210,
0.3451

■ 47.2281, 0.4323,
0.3542

■ 55.5687, 0.3984,
0.3491

■ 65.3081, 0.3695,
0.3436

■ 76.5071, 0.3454,
0.3381

■ 89.2227, 0.3255,
0.3328

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



29.9211, 0.5054, 0.2852



29.9211, 0.5542, 0.3592



29.9211, 0.5180, 0.4414

Triad

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



29.9211, 0.5542, 0.3592



29.9211, 0.2174, 0.4903



29.9211, 0.1724, 0.1570

Complementary

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



29.9211, 0.5542, 0.3592



57.2058, 0.2163, 0.2793

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.



29.9211, 0.1284, 0.1695



29.9211, 0.5542, 0.3592



29.9211, 0.1454, 0.3362

Square

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



29.9211, 0.5542, 0.3592



29.9211, 0.3223, 0.5680



29.9211, 0.1188, 0.2228



29.9211, 0.2583, 0.1750

Rectangle

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



29.9211, 0.5542, 0.3592



29.9211, 0.4629, 0.4995



29.9211, 0.1188, 0.2228



29.9211, 0.1535, 0.1575

Sweetspot

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



29.9209, 0.5542, 0.3592



70.3246, 0.3578, 0.3410



29.2856, 0.3594, 0.1898



14.2113, 0.3668, 0.3430



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.



29.9209, 0.5542, 0.3592



25.0327, 0.6055, 0.3508



59.3875, 0.4599, 0.4485



18.5660, 0.3289, 0.3338



12.4737, 0.6186, 0.3471



1.3582, 0.5981, 0.3633

Inverse Universe

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



57.2058, 0.2163, 0.2793



52.6036, 0.2087, 0.2682



21.4519, 0.1819, 0.1477



19.8377, 0.2980, 0.3242



26.7473, 0.2068, 0.2644



2.7521, 0.2091, 0.2726

Previews

White Background



This preview shows how the Yxy color 29.9211, 0.5542, 0.3592 looks on a white background.

Color Contrast Check

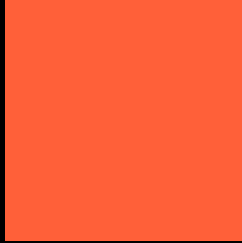
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9211, 0.5542, 0.3592 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 × Fail

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

Yxy 29.9211, 0.5542, 0.3592

Background



This preview shows how black text looks on a background with the Yxy color 29.9211, 0.5542, 0.3592.



This preview shows how white text looks on a background with the Yxy color 29.9211, 0.5542, 0.3592.

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

29.9211, 0.5542, 0.3592

Protanopia

29.9753, 0.4034, 0.4403

Deuteranopia

30.1003, 0.4545, 0.4465



Tritanopia

29.9705, 0.5138, 0.3252

Trichromacy



Original Color

29.9211, 0.5542, 0.3592

Protanomaly

28.3763, 0.4629, 0.4068

Deuteranomaly

28.8860, 0.4966, 0.4094

Tritanomaly

29.8899, 0.5308, 0.3390

Monochromacy



Original Color

29.9211, 0.5542, 0.3592

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

25.0938, 0.4026, 0.3496

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9211, 0.5542, 0.3592 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, 96, 57)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 57)  
}
```

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, 96, 57) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 57) }
```

Border

The CSS property to change the border of an element to Yxy 29.9211, 0.5542, 0.3592 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, 96, 57) }
```

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

```
.border{ border-color:rgb(255, 96, 57) }
```

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

Here you see how a box with a 4 pixel rgb(255, 96, 57) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 57); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 57);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
57) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9211, 0.5542, 0.3592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 96, 57) }
```

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

```
.background{ background-color: rgb(255, 96,  
57) }
```

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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