

Converting Colors

$Y_{xy}(29.5209, 0.5797, 0.3771)$

Have a look what the booklet for
Yxy(29.5209, 0.5797, 0.3771)
contains.

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Color

Yxy(29.4510, 0.5801, 0.3767)

Conversions

Conversions Part 1

Format	Color
Hex	FF5F03
RGB	255, 95, 3
RGB Percent	100%, 37%, 1%
CMY	0.0000, 0.6275, 0.9886
CMYK	0.00, 0.63, 0.99, 0.00
HSL	22°, 100%, 51%
HSV	22°, 99%, 100%
XYZ	45.3531, 29.4510, 3.3774
YIQ	132.3520, 124.8920, 5.3080

Conversions

Conversions Part 2

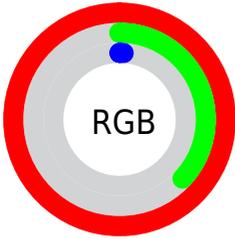
Format	Color
RYB	255, 148, 3
Decimal	16736003
CIELab	61.18, 58.05, 70.22
CIELCh	61, 91.113, 50.420
Yxy	29.4510, 0.5801, 0.3767
Android (android.graphics.Color)	4294926083 (0xFFFF5F03)
YUV	132.3520, -63.7705, 107.5623
Hunter-Lab	54.2688, 54.2045, 34.2982

Details

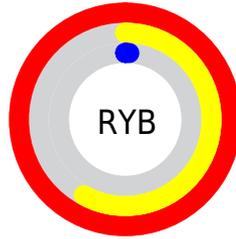
The Yxy color **29.4510, 0.5801, 0.3767** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **33.4014, 0.1901, 0.2037**, and the grayscale version is **23.4034, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.8229, 0.4921, 0.4040**, and **12.0209, 0.6205, 0.3455** is the 20% darker color. If you saturate the color by 10%, you get **29.1151, 0.5826, 0.3756**, and if you desaturate by 10%, it is **32.7535, 0.5556, 0.3859**.

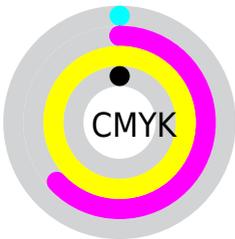
Distribution



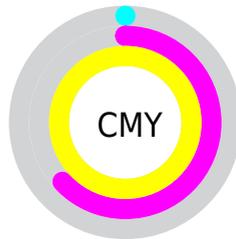
- Red (100%)
- Green (37%)
- Blue (1%)



- Red (100%)
- Yellow (58%)
- Blue (1%)



- Cyan (0%)
- Magenta (63%)
- Yellow (99%)
- Black (0%)



- Cyan (0%)
- Magenta (63%)
- Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.4510, 0.5801, 0.3767 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 29.4510, 0.5801, 0.3767 by changing the saturation by 10% instead.

 29.4510, 0.5801,
0.3767

 29.4510, 0.5801,
0.3767

299.3370, 0.4491,
0.3745

 19.4223, 0.6066,
0.3689

 58.7929, 0.5362,
0.3822

 11.9758, 0.6409,
0.3575

 78.8748, 0.5184,
0.3824

 6.7272, 0.6688,
0.3312

 103.0766, 0.5029,
0.3817

 3.2921, 0.7061,
0.2939

 131.7826, 0.4893,
0.3806

 1.2861, 0.7607,
0.2393

 165.3772, 0.4773,
0.3792

 0.1304, 0.9308,
0.0692

 204.2449, 0.4668,

 0.0000, 1.0000,

0.3777

0.0000

 248.7700, 0.4574,
0.3761

 0.0000, 0.0000,
0.0000

 29.4510, 0.5801,
0.3767

 29.4510, 0.5801,
0.3767

 29.1151, 0.5826,
0.3756

 32.7535, 0.5556,
0.3859

 36.7980, 0.5253,
0.3902

 41.6402, 0.4915,
0.3893

 47.3270, 0.4573,
0.3843

 53.9010, 0.4247,
0.3765

61.4014, 0.3952,
0.3671

69.8650, 0.3691,
0.3570

79.3260, 0.3466,
0.3469

89.8173, 0.3274,
0.3371

Harmonies

Analogous

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



29.4510, 0.5603, 0.2971



29.4510, 0.5801, 0.3767



29.4510, 0.5116, 0.4709

Triad

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



29.4510, 0.5801, 0.3767



29.4510, 0.1738, 0.4701



29.4510, 0.1768, 0.1415

Complementary

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



29.4510, 0.5801, 0.3767



33.4014, 0.1901, 0.2037

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.



29.4510, 0.1190, 0.1440



29.4510, 0.5801, 0.3767



29.4510, 0.1128, 0.2889

Square

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



29.4510, 0.5801, 0.3767



29.4510, 0.2808, 0.6018



29.4510, 0.0987, 0.1846



29.4510, 0.2855, 0.1691

Rectangle

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



29.4510, 0.5801, 0.3767



29.4510, 0.4402, 0.5394



29.4510, 0.0987, 0.1846



29.4510, 0.1526, 0.1389

Sweetspot

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



29.4495, 0.5801, 0.3767



68.8517, 0.3719, 0.3581



24.1044, 0.4349, 0.2174



13.9578, 0.3826, 0.3624



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.



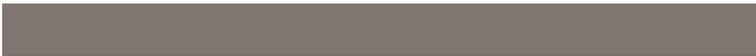
29.4495, 0.5801, 0.3767



29.1151, 0.5826, 0.3756



70.9878, 0.4485, 0.4816



19.0734, 0.3285, 0.3377



15.4719, 0.5797, 0.3779



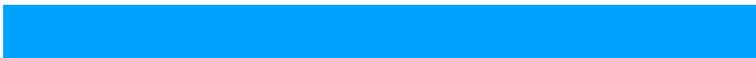
1.7059, 0.5581, 0.3950

Inverse Universe

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



33.4014, 0.1901, 0.2037



33.0079, 0.1895, 0.2021



8.8052, 0.1534, 0.0716



19.3002, 0.2980, 0.3201



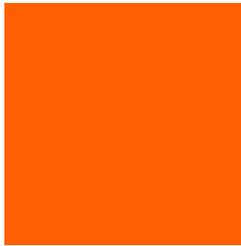
17.5417, 0.1901, 0.2044



1.9163, 0.1945, 0.2202

Previews

White Background



This preview shows how the Yxy color 29.4510, 0.5801, 0.3767 looks on a white background.

Color Contrast Check

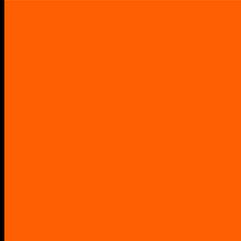
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4510, 0.5801, 0.3767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

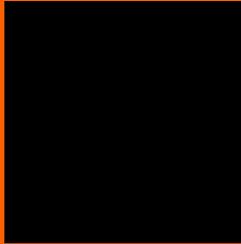
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4510, 0.5801, 0.3767

Background



This preview shows how black text looks on a background with the Yxy color 29.4510, 0.5801, 0.3767.



This preview shows how white text looks on a background with the Yxy color 29.4510, 0.5801, 0.3767.

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

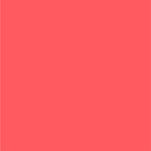
29.4510, 0.5801, 0.3767

Protanopia

29.4699, 0.4348, 0.4797

Deuteranopia

29.6145, 0.4708, 0.4644



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.4510, 0.5801, 0.3767

Protanomaly

27.8863, 0.4948, 0.4378

Deuteranomaly

28.4145, 0.5169, 0.4274

Tritanomaly

29.2621, 0.5536, 0.3526

Monochromacy



Original Color

29.4510, 0.5801, 0.3767

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

23.1966, 0.4305, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4510, 0.5801, 0.3767 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, 95, 3)` looks like.

```
.text, #text, p{  
    color:rgb(255, 95, 3)  
}
```

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, 95, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 95, 3) }
```

Border

The CSS property to change the border of an element to Yxy 29.4510, 0.5801, 0.3767 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, 95, 3) }
```

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

```
.border{ border-color:rgb(255, 95, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 95, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 95, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 95, 3);  
box-shadow:4px 4px 4px 4px rgb(255, 95, 3)  
}
```

Background

The CSS property to change the background color of an element to Yxy 29.4510, 0.5801, 0.3767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 95, 3) }
```

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

```
.background{ background-color: rgb(255, 95,  
3) }
```

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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