

Converting Colors

$Y_{xy}(30.0713, 0.5494, 0.3676)$

Have a look what the booklet for
Yxy(30.0713, 0.5494, 0.3676)
contains.

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Color

Yxy(30.0736, 0.5501, 0.3670)

Conversions

Conversions Part 1

Format	Color
Hex	FB6535
RGB	251, 101, 53
RGB Percent	98%, 40%, 21%
CMY	0.0157, 0.6039, 0.7923
CMYK	0.00, 0.60, 0.79, 0.02
HSL	15°, 96%, 60%
HSV	15°, 79%, 98%
XYZ	45.0776, 30.0736, 6.7932
YIQ	140.3780, 104.8080, 16.8720

Conversions

Conversions Part 2

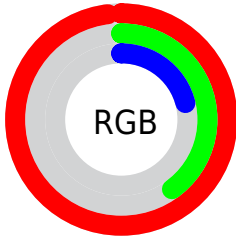
Format	Color
R _Y B	251, 116, 53
Decimal	16475445
CIE Lab	61.72, 54.93, 54.67
CIE LCh	62, 77.502, 44.864
Yxy	30.0736, 0.5501, 0.3670
Android (android.graphics.Color)	4294665525 (0xFFFB6535)
YUV	140.3780, -43.0774, 97.0155
Hunter-Lab	54.8394, 50.7569, 31.0431

Details

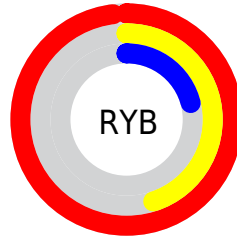
The Yxy color **30.0736, 0.5501, 0.3670** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **50.4065, 0.2123, 0.2660**, and the grayscale version is **26.5221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.0162, 0.4617, 0.3823**, and **12.3662, 0.6109, 0.3531** is the 20% darker color. If you saturate the color by 10%, you get **26.6269, 0.5844, 0.3618**, and if you desaturate by 10%, it is **34.4982, 0.5108, 0.3680**.

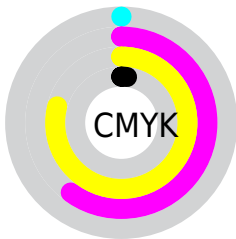
Distribution



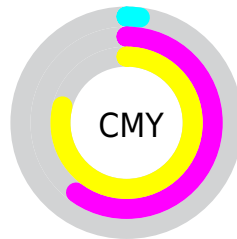
- Red (98%)
- Green (40%)
- Blue (21%)



- Red (98%)
- Yellow (45%)
- Blue (21%)



- Cyan (0%)
- Magenta (60%)
- Yellow (79%)
- Black (2%)




- Cyan (2%)
- Magenta (60%)
- Yellow (79%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0736, 0.5501, 0.3670 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 30.0736, 0.5501, 0.3670 by changing the saturation by 10% instead.


 30.0736, 0.5501,
0.3670


 30.0736, 0.5501,
0.3670


302.2474, 0.4283,
0.3617


 19.8945, 0.5781,
0.3626


 59.7786, 0.5069,
0.3692


 12.3183, 0.6113,
0.3535


 80.0732, 0.4902,
0.3688

 6.9609, 0.6591,
0.3409


 104.5084, 0.4759,
0.3679

 3.4376, 0.6948,
0.3052

 133.4686, 0.4637,
0.3667

 1.3643, 0.7473,
0.2527

 167.3382, 0.4530,
0.3655

 0.1902, 0.9005,
0.0995

 206.5016, 0.4437,


 0.0000, 1.0000,

0.3642


0.0000

251.3432, 0.4355,
0.3629


 0.0000, 0.0000,
0.0000


 30.0736, 0.5501,
0.3670

 30.0736, 0.5501,
0.3670

 26.6269, 0.5844,
0.3618


 34.4982, 0.5108,
0.3680


 24.0688, 0.6098,
0.3530


 39.9661, 0.4709,
0.3656


 23.8347, 0.6122,
0.3521


 46.5425, 0.4335,
0.3607


 54.2856, 0.4003,
0.3545

 63.2494, 0.3718,
0.3478

 73.4846, 0.3478,
0.3410

 85.0386, 0.3277,
0.3344

 97.9567, 0.3110,
0.3284

 99.2479, 0.3102,
0.3290

Harmonies

Analogous

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



30.0736, 0.5101, 0.2929



30.0736, 0.5501, 0.3670



30.0736, 0.5089, 0.4490

Triad

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



30.0736, 0.5501, 0.3670



30.0736, 0.2109, 0.4736



30.0736, 0.1806, 0.1598

Complementary

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



30.0736, 0.5501, 0.3670



50.4065, 0.2123, 0.2660

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.



30.0736, 0.1334, 0.1692



30.0736, 0.5501, 0.3670



30.0736, 0.1438, 0.3232

Square

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



30.0736, 0.5501, 0.3670



30.0736, 0.3128, 0.5616



30.0736, 0.1209, 0.2176



30.0736, 0.2696, 0.1803

Rectangle

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



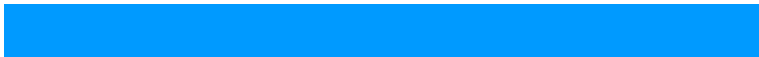
30.0736, 0.5501, 0.3670



30.0736, 0.4527, 0.5055



30.0736, 0.1209, 0.2176



30.0736, 0.1606, 0.1594

Sweetspot

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



30.0753, 0.5501, 0.3670



70.5751, 0.3595, 0.3444



27.4488, 0.3726, 0.1965



14.3157, 0.3684, 0.3469



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.



30.0753, 0.5501, 0.3670



25.8624, 0.6011, 0.3566



61.2381, 0.4531, 0.4574



17.9090, 0.3288, 0.3348



12.7178, 0.6095, 0.3543



1.3359, 0.5868, 0.3723

Inverse Universe

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



50.4065, 0.2123, 0.2660



46.8834, 0.2037, 0.2513



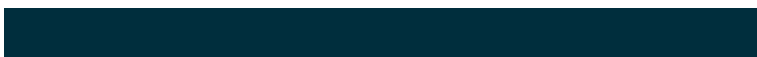
17.9825, 0.1772, 0.1328



18.8531, 0.2980, 0.3231



23.2804, 0.2024, 0.2484



2.3206, 0.2053, 0.2592

Previews

White Background



This preview shows how the Yxy color 30.0736, 0.5501, 0.3670 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 30.0736, 0.5501, 0.3670 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 30.0736, 0.5501, 0.3670

Background



This preview shows how black text looks on a background with the Yxy color 30.0736, 0.5501, 0.3670.



This preview shows how white text looks on a background with the Yxy color 30.0736, 0.5501, 0.3670.

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

30.0736, 0.5501, 0.3670

Protanopia

30.3249, 0.4085, 0.4481

Deuteranopia

30.1975, 0.4578, 0.4486



Tritanopia

30.1880, 0.5064, 0.3250

Trichromacy



Original Color

30.0736, 0.5501, 0.3670

Protanomaly

28.7206, 0.4641, 0.4146

Deuteranomaly

29.2171, 0.4959, 0.4149

Tritanomaly

30.0709, 0.5243, 0.3419

Monochromacy



Original Color

30.0736, 0.5501, 0.3670

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.7077, 0.4009, 0.3555

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0736, 0.5501, 0.3670 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(251, 101, 53)` looks like.

```
.text, #text, p{  
    color:rgb(251, 101, 53)  
}
```

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(251, 101, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 101, 53) }
```

Border

The CSS property to change the border of an element to Yxy 30.0736, 0.5501, 0.3670 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(251, 101, 53) }
```

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

```
.border{ border-color:rgb(251, 101, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(251, 101, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 101, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 101, 53);  
box-shadow:4px 4px 4px 4px rgb(251, 101,  
53) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0736, 0.5501, 0.3670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 101, 53) }
```

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

```
.background{ background-color: rgb(251,  
101, 53) }
```

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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