

Converting Colors

$Y_{xy}(30.2648, 0.5548, 0.3678)$

Have a look what the booklet for
Yxy(30.2648, 0.5548, 0.3678)
contains.

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Color

Yxy(30.2187, 0.5552, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	FD6431
RGB	253, 100, 49
RGB Percent	99%, 39%, 19%
CMY	0.0077, 0.6079, 0.8077
CMYK	0.00, 0.60, 0.81, 0.01
HSL	15°, 98%, 59%
HSV	15°, 81%, 99%
XYZ	45.6280, 30.2187, 6.3363
YIQ	139.9330, 107.5590, 16.5750

Conversions

Conversions Part 2

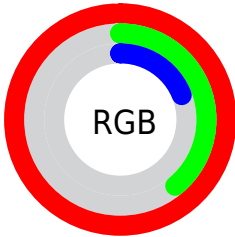
Format	Color
R _{YB}	253, 117, 49
Decimal	16606257
CIE Lab	61.84, 55.97, 56.71
CIE LCh	62, 79.680, 45.373
Yxy	30.2187, 0.5552, 0.3677
Android (android.graphics.Color)	4294796337 (0xFFFD6431)
YUV	139.9330, -44.8300, 99.1598
Hunter-Lab	54.9715, 51.9601, 31.6460

Details

The Yxy color **30.2187, 0.5552, 0.3677** 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 **50.0238, 0.2105, 0.2624**, and the grayscale version is **26.3434, 0.3127, 0.3290**.

A 20% lighter version of the original color is **45.9378, 0.4651, 0.3858**, and **12.3473, 0.6134, 0.3512** is the 20% darker color. If you saturate the color by 10%, you get **26.8372, 0.5880, 0.3617**, and if you desaturate by 10%, it is **34.5716, 0.5167, 0.3694**.

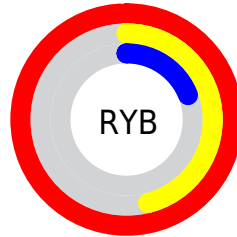
Distribution



Red (99%)

Green (39%)

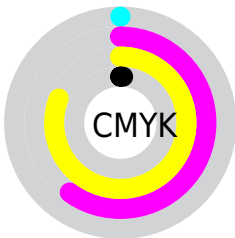
Blue (19%)



Red (99%)

Yellow (46%)

Blue (19%)

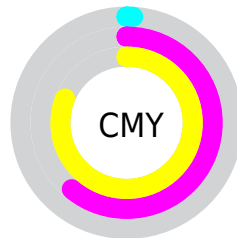


Cyan (0%)

Magenta (60%)

Yellow (81%)

Black (1%)



Cyan (1%)


Magenta (61%)


Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.2187, 0.5552, 0.3677 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 30.2187, 0.5552, 0.3677 by changing the saturation by 10% instead.


 30.2187, 0.5552,
0.3677


 30.2187, 0.5552,
0.3677


302.9225, 0.4315,
0.3630


 20.0046, 0.5832,
0.3628


 60.0079, 0.5116,
0.3704


 12.3984, 0.6161,
0.3530


 80.3518, 0.4947,
0.3700


 7.0156, 0.6614,
0.3386


 104.8411, 0.4802,
0.3692

 3.4719, 0.6973,
0.3027

 133.8602, 0.4677,
0.3681

 1.3828, 0.7498,
0.2502

 167.7935, 0.4568,
0.3669

 0.2040, 0.8974,
0.1026

 207.0254, 0.4473,

 0.0000, 1.0000,

0.3656

0.0000

251.9403, 0.4389,
0.3643

■ 0.0000, 0.0000,
0.0000

■ 30.2187, 0.5552,
0.3677

■ 30.2187, 0.5552,
0.3677

■ 26.8372, 0.5880,
0.3617

■ 34.5716, 0.5167,
0.3694


■ 24.4652, 0.6108,
0.3532

■ 39.9624, 0.4769,
0.3673


■ 46.4568, 0.4392,
0.3627

■ 54.1137, 0.4054,
0.3564

■ 62.9874, 0.3762,
0.3495

 73.1289, 0.3515,
0.3425

 84.5860, 0.3309,
0.3357

 97.4041, 0.3137,
0.3294

 99.6281, 0.3115,
0.3290

Harmonies

Analogous

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



30.2187, 0.5165, 0.2928



30.2187, 0.5552, 0.3677



30.2187, 0.5108, 0.4513

Triad

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



30.2187, 0.5552, 0.3677



30.2187, 0.2065, 0.4755



30.2187, 0.1791, 0.1569

Complementary

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



30.2187, 0.5552, 0.3677



50.0238, 0.2105, 0.2624

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.



30.2187, 0.1307, 0.1656



30.2187, 0.5552, 0.3677



30.2187, 0.1395, 0.3201

Square

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



30.2187, 0.5552, 0.3677



30.2187, 0.3097, 0.5678



30.2187, 0.1174, 0.2135



30.2187, 0.2703, 0.1780

Rectangle

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



30.2187, 0.5552, 0.3677



30.2187, 0.4526, 0.5094



30.2187, 0.1174, 0.2135



30.2187, 0.1586, 0.1562

Sweetspot

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



30.2204, 0.5552, 0.3677



70.7891, 0.3594, 0.3449



27.5154, 0.3743, 0.1955



14.3661, 0.3682, 0.3474



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.



30.2204, 0.5552, 0.3677



25.5861, 0.6042, 0.3559



61.7860, 0.4556, 0.4584



18.7240, 0.3288, 0.3350



13.2038, 0.6081, 0.3553



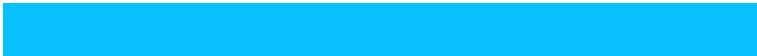
1.4499, 0.5864, 0.3726

Inverse Universe

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



50.0238, 0.2105, 0.2624



45.5065, 0.2023, 0.2471



17.5329, 0.1750, 0.1284



19.6678, 0.2980, 0.3229



23.5625, 0.2016, 0.2458



2.4671, 0.2046, 0.2564

Previews

White Background



This preview shows how the Yxy color 30.2187, 0.5552, 0.3677 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 30.2187, 0.5552, 0.3677 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 30.2187, 0.5552, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 30.2187, 0.5552, 0.3677.



This preview shows how white text looks on a background with the Yxy color 30.2187, 0.5552, 0.3677.

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

30.2187, 0.5552, 0.3677

Protanopia

30.3871, 0.4126, 0.4520

Deuteranopia

30.1587, 0.4607, 0.4524



Tritanopia

30.1855, 0.5106, 0.3242

Trichromacy



Original Color

30.2187, 0.5552, 0.3677

Protanomaly

28.8138, 0.4683, 0.4177

Deuteranomaly

29.3290, 0.4998, 0.4174

Tritanomaly

30.0307, 0.5307, 0.3424

Monochromacy



Original Color

30.2187, 0.5552, 0.3677

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

25.5525, 0.4039, 0.3554

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.2187, 0.5552, 0.3677 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(253, 100, 49)` looks like.

```
.text, #text, p{  
    color:rgb(253, 100, 49)  
}
```

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(253, 100, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 100, 49) }
```

Border

The CSS property to change the border of an element to Yxy 30.2187, 0.5552, 0.3677 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(253, 100, 49) }
```

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

```
.border{ border-color:rgb(253, 100, 49) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 100, 49)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 100, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 100, 49);  
box-shadow:4px 4px 4px 4px rgb(253, 100,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 30.2187, 0.5552, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 100, 49) }
```

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

```
.background{ background-color: rgb(253,  
100, 49) }
```

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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