

Converting Colors

$Y_{xy}(29.8612, 0.5733, 0.3750)$

Have a look what the booklet for
Yxy(29.8612, 0.5733, 0.3750)
contains.

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Color

Yxy(29.8673, 0.5733, 0.3750)

Conversions

Conversions Part 1

Format	Color
Hex	FF6116
RGB	255, 97, 22
RGB Percent	100%, 38%, 9%
CMY	0.0000, 0.6196, 0.9137
CMYK	0.00, 0.62, 0.91, 0.00
HSL	19°, 100%, 54%
HSV	19°, 91%, 100%
XYZ	45.6611, 29.8673, 4.1177
YIQ	135.6920, 118.2430, 10.1710

Conversions

Conversions Part 2

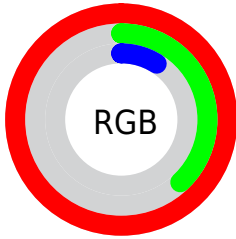
Format	Color
R_{YB}	255, 133, 22
Decimal	16736534
CIE Lab	61.54, 57.37, 66.56
CIE LCh	62, 87.873, 49.237
Yxy	29.8673, 0.5733, 0.3750
Android (android.graphics.Color)	4294926614 (0xFFFF6116)
YUV	135.6920, -56.0502, 104.6331
Hunter-Lab	54.6510, 53.4983, 33.7885

Details

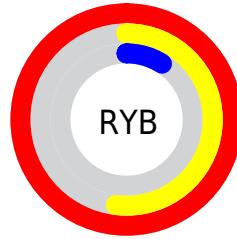
The Yxy color **29.8673, 0.5733, 0.3750** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark washed orange. A complement of this color would be **40.0352, 0.1980, 0.2285**, and the grayscale version is **24.6806, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5925, 0.4841, 0.3997**, and **12.3334, 0.6179, 0.3476** is the 20% darker color. If you saturate the color by 10%, you get **27.3065, 0.5941, 0.3665**, and if you desaturate by 10%, it is **33.5709, 0.5428, 0.3811**.

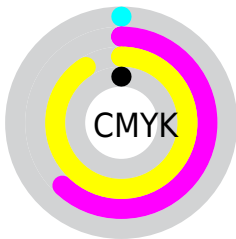
Distribution



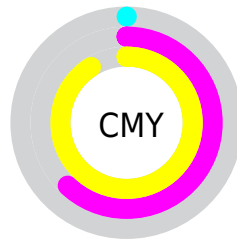
- Red (100%)
- Green (38%)
- Blue (9%)



- Red (100%)
- Yellow (52%)
- Blue (9%)



- Cyan (0%)
- Magenta (62%)
- Yellow (91%)
- Black (0%)




- Cyan (0%)
- Magenta (62%)
- Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.8673, 0.5733, 0.3750 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 29.8673, 0.5733, 0.3750 by changing the saturation by 10% instead.

 29.8673, 0.5733,
0.3750


 29.8673, 0.5733,
0.3750


301.2854, 0.4441,
0.3715

 19.7379, 0.6003,
0.3682


 59.4523, 0.5294,
0.3795


 12.2047, 0.6330,
0.3567


 79.6766, 0.5118,
0.3794

 6.8832, 0.6659,
0.3341


 104.0347, 0.4965,
0.3786

 3.3892, 0.7026,
0.2974

 132.9109, 0.4832,
0.3774

 1.3381, 0.7562,
0.2438

 166.6897, 0.4716,
0.3760

 0.1704, 0.9130,
0.0870

 205.7555, 0.4613,

 0.0000, 1.0000,

0.3745


0.0000

 250.4926, 0.4522,
0.3730


 0.0000, 0.0000,
0.0000


 29.8673, 0.5733,
0.3750


 29.8673, 0.5733,
0.3750


 27.3065, 0.5941,
0.3665

 33.5709, 0.5428,
0.3811

 38.1322, 0.5076,
0.3822

 43.6085, 0.4711,
0.3790

 50.0506, 0.4361,
0.3728

 57.5051, 0.4043,
0.3648

66.0154, 0.3764,
0.3560

75.6220, 0.3524,
0.3470

86.3634, 0.3321,
0.3383

98.2761, 0.3149,
0.3301

Harmonies

Analogous

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



29.8673, 0.5482, 0.2966



29.8673, 0.5733, 0.3750



29.8673, 0.5114, 0.4660

Triad

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



29.8673, 0.5733, 0.3750



29.8673, 0.1827, 0.4711



29.8673, 0.1779, 0.1459

Complementary

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



29.8673, 0.5733, 0.3750



40.0352, 0.1980, 0.2285

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.



29.8673, 0.1225, 0.1499



29.8673, 0.5733, 0.3750



29.8673, 0.1200, 0.2972

Square

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



29.8673, 0.5733, 0.3750



29.8673, 0.2888, 0.5915



29.8673, 0.1039, 0.1923



29.8673, 0.2817, 0.1719

Rectangle

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



29.8673, 0.5733, 0.3750



29.8673, 0.4437, 0.5313



29.8673, 0.1039, 0.1923



29.8673, 0.1547, 0.1438

Sweetspot

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



29.8681, 0.5733, 0.3750



70.0753, 0.3655, 0.3520



25.1794, 0.4119, 0.2079



14.3160, 0.3740, 0.3551



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.



29.8681, 0.5733, 0.3750



27.3065, 0.5941, 0.3665



68.5476, 0.4510, 0.4757



18.9415, 0.3286, 0.3367



14.5063, 0.5911, 0.3688



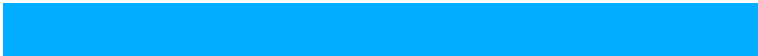
1.6005, 0.5691, 0.3863

Inverse Universe

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



40.0352, 0.1980, 0.2285



37.0768, 0.1939, 0.2180



11.1397, 0.1594, 0.0877



19.4377, 0.2980, 0.3212



19.6557, 0.1945, 0.2200



2.1119, 0.1983, 0.2339

Previews

White Background



This preview shows how the Yxy color 29.8673, 0.5733, 0.3750 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 29.8673, 0.5733, 0.3750 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 29.8673, 0.5733, 0.3750

Background



This preview shows how black text looks on a background with the Yxy color 29.8673, 0.5733, 0.3750.



This preview shows how white text looks on a background with the Yxy color 29.8673, 0.5733, 0.3750.

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

29.8673, 0.5733, 0.3750

Protanopia

29.8378, 0.4297, 0.4748

Deuteranopia

29.7411, 0.4718, 0.4636



Tritanopia

29.9705, 0.5138, 0.3252

Trichromacy



Original Color

29.8673, 0.5733, 0.3750

Protanomaly

28.2063, 0.4886, 0.4336

Deuteranomaly

28.6818, 0.5142, 0.4271

Tritanomaly

29.7076, 0.5444, 0.3489

Monochromacy



Original Color

29.8673, 0.5733, 0.3750

Achromatopsia

24.6201, 0.3127, 0.3290

Achromatomaly

24.3290, 0.4183, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8673, 0.5733, 0.3750 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, 97, 22)` looks like.

```
.text, #text, p{  
    color:rgb(255, 97, 22)  
}
```

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, 97, 22) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 97, 22) }
```

Border

The CSS property to change the border of an element to Yxy 29.8673, 0.5733, 0.3750 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, 97, 22) }
```

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

```
.border{ border-color:rgb(255, 97, 22) }
```

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

Here you see how a box with a 4 pixel rgb(255, 97, 22) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 97, 22); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 97, 22);  
box-shadow:4px 4px 4px 4px rgb(255, 97,  
22) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 29.8673, 0.5733, 0.3750$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 97, 22) }
```

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

```
.background{ background-color: rgb(255, 97,  
22) }
```

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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