

Converting Colors

$Y_{xy}(29.8473, 0.5626, 0.3657)$

Have a look what the booklet for
Yxy(29.8473, 0.5626, 0.3657)
contains.

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Color

Yxy(29.8152, 0.5629, 0.3657)

Conversions

Conversions Part 1

Format	Color
Hex	FF602D
RGB	255, 96, 45
RGB Percent	100%, 38%, 18%
CMY	0.0001, 0.6234, 0.8234
CMYK	0.00, 0.62, 0.82, 0.00
HSL	15°, 100%, 59%
HSV	15°, 82%, 100%
XYZ	45.8927, 29.8152, 5.8212
YIQ	137.7270, 111.1350, 17.8470

Conversions

Conversions Part 2

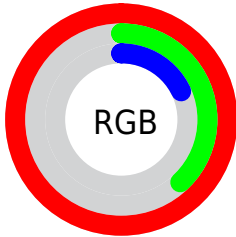
Format	Color
R _Y B	255, 112, 45
Decimal	16736301
CIE Lab	61.49, 58.23, 58.27
CIE LCh	61, 82.376, 45.018
Yxy	29.8152, 0.5629, 0.3657
Android (android.graphics.Color)	4294926381 (0xFFFF602D)
YUV	137.7270, -45.7144, 102.8484
Hunter-Lab	54.6033, 54.4691, 31.9015

Details

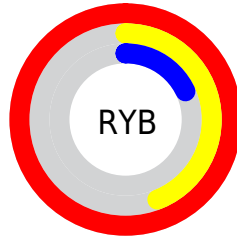
The Yxy color **29.8152, 0.5629, 0.3657** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **50.9561, 0.2099, 0.2627**, and the grayscale version is **25.4565, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.5610, 0.4708, 0.3844**, and **12.2089, 0.6198, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **26.5745, 0.5943, 0.3590**, and if you desaturate by 10%, it is **34.0426, 0.5248, 0.3682**.

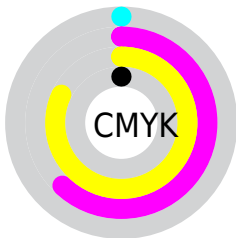
Distribution



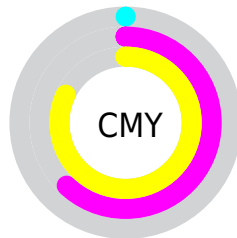
- Red (100%)
- Green (38%)
- Blue (18%)



- Red (100%)
- Yellow (44%)
- Blue (18%)



- Cyan (0%)
- Magenta (62%)
- Yellow (82%)
- Black (0%)





- Cyan (0%)
- Magenta (62%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8152, 0.5629, 0.3657 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 29.8152, 0.5629, 0.3657 by changing the saturation by 10% instead.


 29.8152, 0.5629,
0.3657


 29.8152, 0.5629,
0.3657


301.0421, 0.4357,
0.3632

 19.6984, 0.5913,
0.3599


 59.3698, 0.5183,
0.3695


 12.1760, 0.6245,
0.3489


 79.5764, 0.5009,
0.3695

 6.8636, 0.6682,
0.3318


 103.9149, 0.4860,
0.3689

 3.3770, 0.7052,
0.2948

 132.7700, 0.4731,
0.3679

 1.3316, 0.7592,
0.2408

 166.5258, 0.4618,
0.3668

 0.1654, 0.9164,
0.0836

 205.5668, 0.4520,

 0.0000, 1.0000,

0.3656

0.0000

250.2775, 0.4433,
0.3644

■ 0.0000, 0.0000,
0.0000

■ 29.8152, 0.5629,
0.3657

■ 29.8152, 0.5629,
0.3657

■ 26.5745, 0.5943,
0.3590

■ 34.0426, 0.5248,
0.3682


■ 24.6952, 0.6123,
0.3520

■ 39.3281, 0.4846,
0.3668


■ 45.7415, 0.4461,
0.3627

■ 53.3451, 0.4113,
0.3568

■ 62.1963, 0.3811,
0.3502

 72.3489, 0.3556,
0.3433

 83.8532, 0.3342,
0.3367

 96.7570, 0.3164,
0.3304

99.9970, 0.3127,
0.3290

Harmonies

Analogous

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



29.8152, 0.5230, 0.2898



29.8152, 0.5629, 0.3657



29.8152, 0.5163, 0.4512

Triad

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



29.8152, 0.5629, 0.3657



29.8152, 0.2033, 0.4838



29.8152, 0.1743, 0.1523

Complementary

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



29.8152, 0.5629, 0.3657



50.9561, 0.2099, 0.2627

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.



29.8152, 0.1257, 0.1612



29.8152, 0.5629, 0.3657



29.8152, 0.1347, 0.3206

Square

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



29.8152, 0.5629, 0.3657



29.8152, 0.3091, 0.5779



29.8152, 0.1124, 0.2101



29.8152, 0.2672, 0.1735

Rectangle

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



29.8152, 0.5629, 0.3657



29.8152, 0.4559, 0.5121



29.8152, 0.1124, 0.2101



29.8152, 0.1537, 0.1517

Sweetspot

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



29.8169, 0.5629, 0.3657



69.5299, 0.3620, 0.3451



27.5916, 0.3760, 0.1946



14.1129, 0.3708, 0.3475



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.



29.8169, 0.5629, 0.3657



24.9178, 0.6101, 0.3529



62.2912, 0.4580, 0.4592



18.7034, 0.3288, 0.3348



13.0985, 0.6096, 0.3542



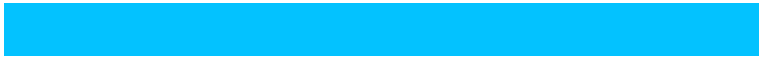
1.4371, 0.5880, 0.3713

Inverse Universe

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



50.9561, 0.2099, 0.2627



45.6776, 0.2022, 0.2477



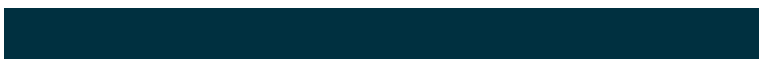
17.0877, 0.1730, 0.1243



19.6898, 0.2980, 0.3231



23.9609, 0.2023, 0.2483



2.5030, 0.2052, 0.2585

Previews

White Background



This preview shows how the Yxy color 29.8152, 0.5629, 0.3657 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 29.8152, 0.5629, 0.3657 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 29.8152, 0.5629, 0.3657

Background



This preview shows how black text looks on a background with the Yxy color 29.8152, 0.5629, 0.3657.



This preview shows how white text looks on a background with the Yxy color 29.8152, 0.5629, 0.3657.

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

29.8152, 0.5629, 0.3657

Protanopia

29.9177, 0.4152, 0.4557

Deuteranopia

29.8250, 0.4649, 0.4550



Tritanopia

29.7774, 0.5157, 0.3252

Trichromacy



Original Color

29.8152, 0.5629, 0.3657

Protanomaly

28.2374, 0.4736, 0.4188

Deuteranomaly

28.7798, 0.5055, 0.4184

Tritanomaly

29.6388, 0.5370, 0.3421

Monochromacy



Original Color

29.8152, 0.5629, 0.3657

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

24.9892, 0.4089, 0.3568

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8152, 0.5629, 0.3657 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, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 96, 45)  
}
```

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, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 96, 45) }
```

Border

The CSS property to change the border of an element to Yxy 29.8152, 0.5629, 0.3657 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, 45) }
```

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

```
.border{ border-color:rgb(255, 96, 45) }
```

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, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 96, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 96, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 96,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8152, 0.5629, 0.3657 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, 45) }
```

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

```
.background{ background-color: rgb(255, 96,  
45) }
```

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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