

Converting Colors

$Y_{xy}(28.6360, 0.5490, 0.3781)$

Have a look what the booklet for
Yxy(28.6360, 0.5490, 0.3781)
contains.

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Color

Yxy(28.5684, 0.5493, 0.3778)

Conversions

Conversions Part 1

Format	Color
Hex	F1672A
RGB	241, 103, 42
RGB Percent	95%, 40%, 16%
CMY	0.0550, 0.5960, 0.8354
CMYK	0.00, 0.57, 0.83, 0.06
HSL	18°, 88%, 55%
HSV	18°, 83%, 94%
XYZ	41.5369, 28.5684, 5.5125
YIQ	137.3080, 101.8290, 10.2850

Conversions

Conversions Part 2

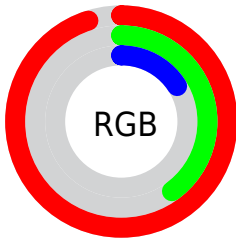
Format	Color
R _Y B	241, 130, 42
Decimal	15820586
CIE Lab	60.40, 50.13, 57.73
CIE LCh	60, 76.459, 49.034
Yxy	28.5684, 0.5493, 0.3778
Android (android.graphics.Color)	4294010666 (0xFFFF1672A)
YUV	137.3080, -46.9868, 90.9379
Hunter-Lab	53.4494, 45.1802, 31.2997

Details

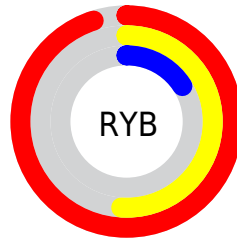
The Yxy color **28.5684, 0.5493, 0.3778** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed orange. A complement of this color would be **39.4478, 0.2050, 0.2440**, and the grayscale version is **25.2942, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.5040, 0.4684, 0.3929**, and **11.5437, 0.6012, 0.3609** is the 20% darker color. If you saturate the color by 10%, you get **25.4476, 0.5795, 0.3712**, and if you desaturate by 10%, it is **32.4597, 0.5138, 0.3796**.

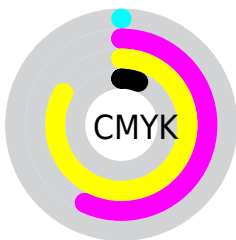
Distribution



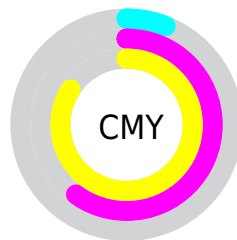
- Red (95%)
- Green (40%)
- Blue (16%)



- Red (95%)
- Yellow (51%)
- Blue (16%)



- Cyan (0%)
- Magenta (57%)
- Yellow (83%)
- Black (6%)



- Cyan (6%)
- Magenta (60%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5684, 0.5493, 0.3778 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 28.5684, 0.5493, 0.3778 by changing the saturation by 10% instead.


 28.5684, 0.5493,
0.3778


 28.5684, 0.5493,
0.3778


295.1731, 0.4281,
0.3678


 18.7546, 0.5766,
0.3738


 57.3906, 0.5066,
0.3787

 11.4931, 0.6086,
0.3649

 77.1679, 0.4900,
0.3777

 6.3995, 0.6503,
0.3497


 101.0350, 0.4758,
0.3762

 3.0895, 0.6859,
0.3141

 129.3764, 0.4635,
0.3745

 1.1786, 0.7397,
0.2603

 162.5765, 0.4529,
0.3728

 0.0442, 0.9681,
0.0319

 201.0197, 0.4436,

 0.0000, 1.0000,

0.3711

0.0000

245.0905, 0.4354,
0.3694

■ 0.0000, 0.0000,
0.0000

■ 28.5684, 0.5493,
0.3778

■ 28.5684, 0.5493,
0.3778

■ 25.4476, 0.5795,
0.3712

■ 32.4597, 0.5138,
0.3796

■ 23.5857, 0.5973,
0.3639

■ 37.1694, 0.4767,
0.3771


■ 42.7461, 0.4410,
0.3715

■ 49.2332, 0.4084,
0.3641

■ 56.6707, 0.3798,
0.3557

 65.0962, 0.3552,
0.3471

 74.5450, 0.3343,
0.3388

 85.0510, 0.3168,
0.3309

 96.3958, 0.3042,
0.3274

Harmonies

Analogous

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



28.5684, 0.5217, 0.3027



28.5684, 0.5493, 0.3778



28.5684, 0.4989, 0.4611

Triad

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



28.5684, 0.5493, 0.3778



28.5684, 0.1985, 0.4537



28.5684, 0.1900, 0.1606

Complementary

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



28.5684, 0.5493, 0.3778



39.4478, 0.2050, 0.2440

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.



28.5684, 0.1374, 0.1655



28.5684, 0.5493, 0.3778



28.5684, 0.1376, 0.3045

Square

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



28.5684, 0.5493, 0.3778



28.5684, 0.2975, 0.5581



28.5684, 0.1202, 0.2075



28.5684, 0.2853, 0.1849

Rectangle

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



28.5684, 0.5493, 0.3778



28.5684, 0.4394, 0.5168



28.5684, 0.1202, 0.2075



28.5684, 0.1680, 0.1588

Sweetspot

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



28.5700, 0.5493, 0.3778



71.5273, 0.3609, 0.3493



23.6974, 0.3946, 0.2057



14.5807, 0.3695, 0.3523



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.



28.5700, 0.5493, 0.3778



27.0046, 0.5956, 0.3645



60.7171, 0.4459, 0.4700



16.5498, 0.3286, 0.3363



13.0020, 0.5944, 0.3662



1.2512, 0.5687, 0.3867

Inverse Universe

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



39.4478, 0.2050, 0.2440



38.8939, 0.1959, 0.2246



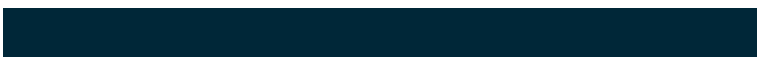
12.8410, 0.1690, 0.1095



17.0627, 0.2981, 0.3216



18.6911, 0.1960, 0.2257



1.7301, 0.2003, 0.2409

Previews

White Background



This preview shows how the Yxy color 28.5684, 0.5493, 0.3778 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 28.5684, 0.5493, 0.3778 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 28.5684, 0.5493, 0.3778

Background



This preview shows how black text looks on a background with the Yxy color 28.5684, 0.5493, 0.3778.



This preview shows how white text looks on a background with the Yxy color 28.5684, 0.5493, 0.3778.

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

28.5684, 0.5493, 0.3778

Protanopia

28.6013, 0.4188, 0.4602

Deuteranopia

28.7394, 0.4632, 0.4558



Tritanopia

28.5833, 0.4947, 0.3237

Trichromacy



Original Color

28.5684, 0.5493, 0.3778

Protanomaly

27.2634, 0.4700, 0.4268

Deuteranomaly

28.0107, 0.4984, 0.4242

Tritanomaly

28.3950, 0.5192, 0.3464

Monochromacy



Original Color

28.5684, 0.5493, 0.3778

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.7405, 0.4028, 0.3635

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5684, 0.5493, 0.3778 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(241, 103, 42)` looks like.

```
.text, #text, p{  
    color:rgb(241, 103, 42)  
}
```

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(241, 103, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 103, 42) }
```

Border

The CSS property to change the border of an element to Yxy 28.5684, 0.5493, 0.3778 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(241, 103, 42) }
```

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

```
.border{ border-color:rgb(241, 103, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 103, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 103, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 103, 42);  
box-shadow:4px 4px 4px 4px rgb(241, 103,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5684, 0.5493, 0.3778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 103, 42) }
```

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

```
.background{ background-color: rgb(241,  
103, 42) }
```

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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