

Converting Colors

$Y_{xy}(28.0042, 0.5528, 0.3674)$

Have a look what the booklet for
Yxy(28.0042, 0.5528, 0.3674)
contains.

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Color

Yxy(28.0042, 0.5528, 0.3674)

Conversions

Conversions Part 1

Format	Color
Hex	F46131
RGB	244, 97, 49
RGB Percent	96%, 38%, 19%
CMY	0.0431, 0.6196, 0.8081
CMYK	0.00, 0.60, 0.80, 0.04
HSL	15°, 90%, 57%
HSV	15°, 80%, 96%
XYZ	42.1359, 28.0042, 6.0826
YIQ	135.4810, 103.0200, 16.2360

Conversions

Conversions Part 2

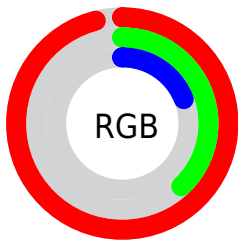
Format	Color
R _Y B	244, 113, 49
Decimal	16015665
CIE Lab	59.89, 54.13, 54.39
CIE LCh	60, 76.735, 45.142
Yxy	28.0042, 0.5528, 0.3674
Android (android.graphics.Color)	4294205745 (0xFFFF46131)
YUV	135.4810, -42.6351, 95.1712
Hunter-Lab	52.9190, 49.5194, 30.2284

Details

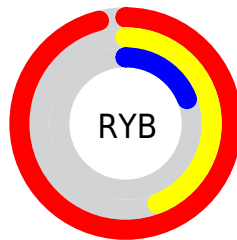
The Yxy color **28.0042, 0.5528, 0.3674** is a dark color, and the websafe version is hex **FF6633**. The color can be described as middle washed orange. A complement of this color would be **46.6253, 0.2113, 0.2641**, and the grayscale version is **24.5492, 0.3127, 0.3290**.

A 20% lighter version of the original color is **44.6173, 0.4682, 0.3818**, and **11.2209, 0.6131, 0.3514** is the 20% darker color. If you saturate the color by 10%, you get **24.8394, 0.5862, 0.3618**, and if you desaturate by 10%, it is **32.0709, 0.5140, 0.3688**.

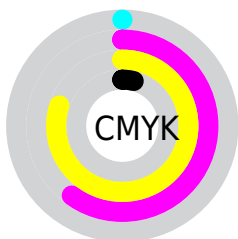
Distribution



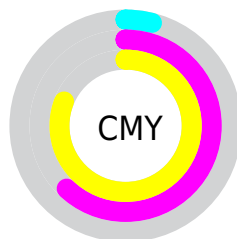
- Red (96%)
- Green (38%)
- Blue (19%)



- Red (96%)
- Yellow (44%)
- Blue (19%)



- Cyan (0%)
- Magenta (60%)
- Yellow (80%)
- Black (4%)





- Cyan (4%)
- Magenta (62%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.0042, 0.5528, 0.3674 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 28.0042, 0.5528, 0.3674 by changing the saturation by 10% instead.


 28.0042, 0.5528,
0.3674


 28.0042, 0.5528,
0.3674


292.4870, 0.4284,
0.3621

 18.3288, 0.5815,
0.3626


 56.4911, 0.5085,
0.3698


 11.1863, 0.6156,
0.3526


 76.0715, 0.4914,
0.3694

 6.1923, 0.6626,
0.3374


 99.7223, 0.4769,
0.3685

 2.9624, 0.7004,
0.2996

 127.8280, 0.4644,
0.3673

 1.1121, 0.7568,
0.2432

 160.7729, 0.4535,
0.3660

 0.0000, 1.0000,
0.0000

 198.9414, 0.4441,

 0.0000, 0.0000,

0.3647

0.0000

242.7180, 0.4358,
0.3634

■ 28.0042, 0.5528,
0.3674

■ 28.0042, 0.5528,
0.3674

■ 24.8394, 0.5862,
0.3618

■ 32.0709, 0.5140,
0.3688

■ 22.4902, 0.6111,
0.3530


■ 37.1002, 0.4742,
0.3665

■ 22.4794, 0.6112,
0.3529


■ 43.1529, 0.4367,
0.3618

■ 50.2829, 0.4032,
0.3556

■ 58.5403, 0.3743,
0.3487

 67.9721, 0.3500,
0.3418

 78.6223, 0.3296,
0.3352

 90.5327, 0.3126,
0.3290

 97.9728, 0.3060,
0.3290

Harmonies

Analogous

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



28.0042, 0.5135, 0.2929



28.0042, 0.5528, 0.3674



28.0042, 0.5099, 0.4502

Triad

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



28.0042, 0.5528, 0.3674



28.0042, 0.2086, 0.4746



28.0042, 0.1798, 0.1583

Complementary

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



28.0042, 0.5528, 0.3674



46.6253, 0.2113, 0.2641

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.



28.0042, 0.1320, 0.1673



28.0042, 0.5528, 0.3674



28.0042, 0.1415, 0.3216

Square

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



28.0042, 0.5528, 0.3674



28.0042, 0.3111, 0.5649



28.0042, 0.1190, 0.2154



28.0042, 0.2700, 0.1791

Rectangle

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



28.0042, 0.5528, 0.3674



28.0042, 0.4527, 0.5076



28.0042, 0.1190, 0.2154



28.0042, 0.1596, 0.1577

Sweetspot

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



28.0058, 0.5528, 0.3674



70.6906, 0.3595, 0.3447



25.5233, 0.3735, 0.1959



14.3429, 0.3683, 0.3471



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.



28.0058, 0.5528, 0.3674



25.7305, 0.6026, 0.3563



57.1447, 0.4544, 0.4579



17.1459, 0.3287, 0.3349



12.4028, 0.6085, 0.3550



1.2456, 0.5845, 0.3741

Inverse Universe

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



46.6253, 0.2113, 0.2641



46.1639, 0.2030, 0.2491



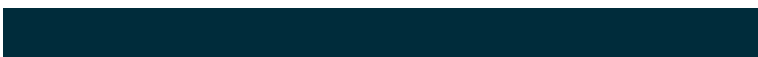
16.4804, 0.1761, 0.1305



18.0254, 0.2980, 0.3230



22.3857, 0.2020, 0.2471



2.1280, 0.2052, 0.2586

Previews

White Background



This preview shows how the Yxy color 28.0042, 0.5528, 0.3674 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 28.0042, 0.5528, 0.3674 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 28.0042, 0.5528, 0.3674

Background



This preview shows how black text looks on a background with the Yxy color 28.0042, 0.5528, 0.3674.



This preview shows how white text looks on a background with the Yxy color 28.0042, 0.5528, 0.3674.

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

28.0042, 0.5528, 0.3674

Protanopia

28.1757, 0.4110, 0.4507

Deuteranopia

27.9638, 0.4600, 0.4504



Tritanopia

28.1102, 0.5085, 0.3249

Trichromacy



Original Color

28.0042, 0.5528, 0.3674

Protanomaly

26.8101, 0.4663, 0.4175

Deuteranomaly

27.0583, 0.4990, 0.4150

Tritanomaly

27.9971, 0.5268, 0.3422

Monochromacy



Original Color

28.0042, 0.5528, 0.3674

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.7882, 0.4028, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0042, 0.5528, 0.3674 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(244, 97, 49)` looks like.

```
.text, #text, p{  
    color:rgb(244, 97, 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(244, 97, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 97, 49) }
```

Border

The CSS property to change the border of an element to Yxy 28.0042, 0.5528, 0.3674 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(244, 97, 49) }
```

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

```
.border{ border-color:rgb(244, 97, 49) }
```

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

Here you see how a box with a 4 pixel rgb(244, 97, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 97, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 97, 49);  
box-shadow:4px 4px 4px 4px rgb(244, 97,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0042, 0.5528, 0.3674 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 97, 49) }
```

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

```
.background{ background-color: rgb(244, 97,  
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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