

Converting Colors

Yxy(35.2247, 0.5836, 0.3522)

Have a look what the booklet for
Yxy(35.2247, 0.5836, 0.3522)
contains.

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Color

Yxy(28.4447, 0.5692, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	FF582F
RGB	255, 88, 47
RGB Percent	100%, 35%, 18%
CMY	0.0001, 0.6548, 0.8157
CMYK	0.00, 0.65, 0.82, 0.00
HSL	12°, 100%, 59%
HSV	12°, 82%, 100%
XYZ	45.2381, 28.4447, 5.7938
YIQ	133.2590, 112.6930, 22.6530

Conversions

Conversions Part 2

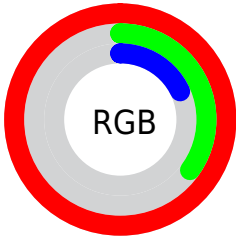
Format	Color
R_{YB}	255, 98, 47
Decimal	16734255
CIE _{Lab}	60.29, 61.55, 56.31
CIE _{LCh}	60, 83.423, 42.450
Y _{xy}	28.4447, 0.5692, 0.3579
Android (android.graphics.Color)	4294924335 (0xFFFF582F)
YUV	133.2590, -42.5257, 106.7669
Hunter-Lab	53.3336, 58.0719, 30.8926

Details

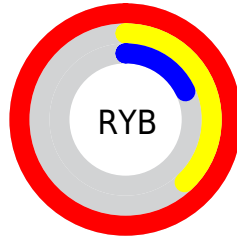
The Yxy color **28.4447, 0.5692, 0.3579** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **55.8852, 0.2139, 0.2763**, and the grayscale version is **23.6860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.3739, 0.4755, 0.3764**, and **11.4835, 0.6312, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **25.3944, 0.6017, 0.3519**, and if you desaturate by 10%, it is **32.5613, 0.5293, 0.3603**.

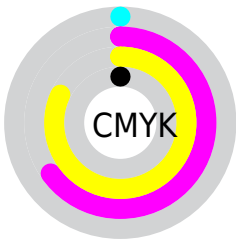
Distribution



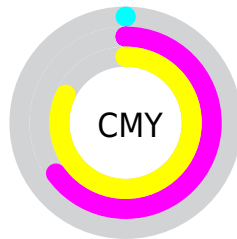
- Red (100%)
- Green (35%)
- Blue (18%)



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



- Cyan (0%)
- Magenta (65%)
- Yellow (82%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4447, 0.5692, 0.3579 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 28.4447, 0.5692, 0.3579 by changing the saturation by 10% instead.

 28.4447, 0.5692,
0.3579

 28.4447, 0.5692,
0.3579


294.5858, 0.4374,
0.3594

 18.6612, 0.5991,
0.3510


 57.1936, 0.5227,
0.3632


 11.4257, 0.6342,
0.3386


 76.9278, 0.5046,
0.3637


 6.3539, 0.6805,
0.3195


 100.7477, 0.4892,
0.3636

 3.0615, 0.7201,
0.2799

 129.0376, 0.4759,
0.3630

 1.1639, 0.7774,
0.2226

 162.1820, 0.4643,
0.3623

 0.0319, 0.9820,
0.0180

 200.5652, 0.4542,

 0.0000, 1.0000,

0.3614

0.0000

244.5717, 0.4453,
0.3604

■ 0.0000, 0.0000,
0.0000

■ 28.4447, 0.5692,
0.3579

■ 28.4447, 0.5692,
0.3579

■ 25.3944, 0.6017,
0.3519

■ 32.5613, 0.5293,
0.3603

■ 23.5650, 0.6209,
0.3452

■ 37.8293, 0.4872,
0.3594

■ 44.3304, 0.4470,
0.3561

■ 52.1371, 0.4111,
0.3513

■ 61.3163, 0.3802,
0.3458

71.9304, 0.3543,
0.3403

84.0375, 0.3329,
0.3348

97.6930, 0.3152,
0.3298

99.9967, 0.3127,
0.3290

Harmonies

Analogous

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



28.4447, 0.5206, 0.2819



28.4447, 0.5692, 0.3579



28.4447, 0.5263, 0.4439

Triad

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



28.4447, 0.5692, 0.3579



28.4447, 0.2081, 0.5025



28.4447, 0.1655, 0.1484

Complementary

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



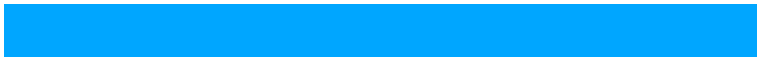
28.4447, 0.5692, 0.3579



55.8852, 0.2139, 0.2763

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.



28.4447, 0.1198, 0.1601



28.4447, 0.5692, 0.3579



28.4447, 0.1347, 0.3329

Square

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



28.4447, 0.5692, 0.3579



28.4447, 0.3173, 0.5865



28.4447, 0.1090, 0.2136



28.4447, 0.2557, 0.1675

Rectangle

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



28.4447, 0.5692, 0.3579



28.4447, 0.4661, 0.5067



28.4447, 0.1090, 0.2136



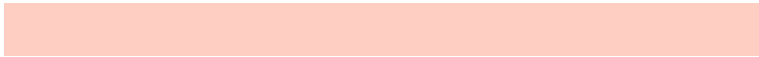
28.4447, 0.1459, 0.1486

Sweetspot

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



28.4464, 0.5692, 0.3579



69.2293, 0.3602, 0.3416



28.2907, 0.3622, 0.1872



13.9996, 0.3693, 0.3436



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.



28.4464, 0.5692, 0.3579



23.9481, 0.6168, 0.3467



57.9076, 0.4664, 0.4504



18.5672, 0.3289, 0.3338



12.4784, 0.6185, 0.3471



1.3588, 0.5981, 0.3633

Inverse Universe

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



55.8852, 0.2139, 0.2763



51.2451, 0.2070, 0.2645



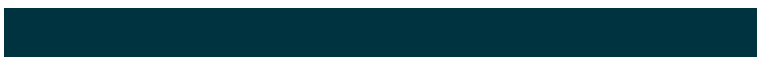
19.6002, 0.1771, 0.1383



19.8365, 0.2980, 0.3242



26.7226, 0.2067, 0.2643



2.7499, 0.2090, 0.2725

Previews

White Background



This preview shows how the Yxy color 28.4447, 0.5692, 0.3579 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 28.4447, 0.5692, 0.3579 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 28.4447, 0.5692, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 28.4447, 0.5692, 0.3579.



This preview shows how white text looks on a background with the Yxy color 28.4447, 0.5692, 0.3579.

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

28.4447, 0.5692, 0.3579

Protanopia

28.5980, 0.4105, 0.4502

Deuteranopia

28.3380, 0.4626, 0.4544



Tritanopia

28.4783, 0.5304, 0.3263

Trichromacy



Original Color

28.4447, 0.5692, 0.3579

Protanomaly

26.6984, 0.4749, 0.4112

Deuteranomaly

27.1156, 0.5081, 0.4134

Tritanomaly

28.4100, 0.5468, 0.3392

Monochromacy



Original Color

28.4447, 0.5692, 0.3579

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

23.0290, 0.4104, 0.3515

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4447, 0.5692, 0.3579 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, 88, 47)` looks like.

```
.text, #text, p{  
    color:rgb(255, 88, 47)  
}
```

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, 88, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 88, 47) }
```

Border

The CSS property to change the border of an element to Yxy 28.4447, 0.5692, 0.3579 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, 88, 47) }
```

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

```
.border{ border-color:rgb(255, 88, 47) }
```

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

Here you see how a box with a 4 pixel rgb(255, 88, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 88, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 88, 47);  
box-shadow:4px 4px 4px 4px rgb(255, 88,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4447, 0.5692, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 88, 47) }
```

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

```
.background{ background-color: rgb(255, 88,  
47) }
```

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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