

Converting Colors

$Y_{xy}(28.1569, 0.5739, 0.3589)$

Have a look what the booklet for
Yxy(28.1569, 0.5739, 0.3589)
contains.

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Color

Yxy(28.0827, 0.5745, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	FF562A
RGB	255, 86, 42
RGB Percent	100%, 34%, 16%
CMY	0.0000, 0.6628, 0.8353
CMYK	0.00, 0.66, 0.84, 0.00
HSL	12°, 100%, 58%
HSV	12°, 84%, 100%
XYZ	44.9903, 28.0827, 5.2391
YIQ	131.5150, 114.8480, 22.1440

Conversions

Conversions Part 2

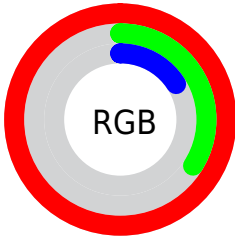
Format	Color
RYB	255, 97, 42
Decimal	16733738
CIELab	59.96, 62.24, 58.23
CIELCh	60, 85.232, 43.092
Yxy	28.0827, 0.5745, 0.3586
Android (android.graphics.Color)	4294923818 (0xFFFF562A)
YUV	131.5150, -44.1309, 108.2963
Hunter-Lab	52.9931, 58.8056, 31.2336

Details

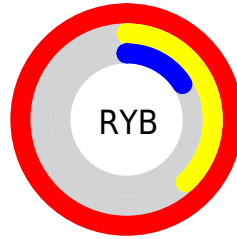
The Yxy color **28.0827, 0.5745, 0.3586** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **54.3024, 0.2121, 0.2722**, and the grayscale version is **23.0187, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.6776, 0.4816, 0.3787**, and **11.3177, 0.6339, 0.3349** is the 20% darker color. If you saturate the color by 10%, you get **25.1671, 0.6050, 0.3519**, and if you desaturate by 10%, it is **32.0255, 0.5359, 0.3617**.

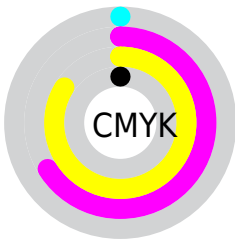
Distribution



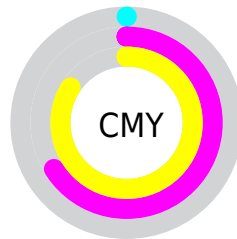
- Red (100%)
- Green (34%)
- Blue (16%)



- Red (100%)
- Yellow (38%)
- Blue (16%)



- Cyan (0%)
- Magenta (66%)
- Yellow (84%)
- Black (0%)




- Cyan (0%)
- Magenta (66%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0827, 0.5745, 0.3586 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 28.0827, 0.5745, 0.3586 by changing the saturation by 10% instead.


 28.0827, 0.5745,
0.3586


 28.0827, 0.5745,
0.3586


292.8619, 0.4406,
0.3609


 18.3880, 0.6044,
0.3511


 56.6164, 0.5275,
0.3645

 11.2289, 0.6396,
0.3380


 76.2243, 0.5091,
0.3651

 6.2210, 0.6833,
0.3167

 99.9053, 0.4934,
0.3651

 2.9799, 0.7235,
0.2765

 128.0439, 0.4798,
0.3645

 1.1213, 0.7817,
0.2183

 161.0245, 0.4680,
0.3638

 0.0000, 1.0000,
0.0000

 199.2314, 0.4577,

 0.0000, 0.0000,

0.3629

0.0000

243.0491, 0.4486,
0.3619

■ 28.0827, 0.5745,
0.3586

■ 28.0827, 0.5745,
0.3586

■ 25.1671, 0.6050,
0.3519

■ 32.0255, 0.5359,
0.3617

■ 23.7763, 0.6193,
0.3465

■ 37.0890, 0.4942,
0.3613

■ 43.3509, 0.4538,
0.3581

■ 50.8826, 0.4172,
0.3534

■ 59.7499, 0.3856,
0.3477

70.0141, 0.3589,
0.3419

81.7324, 0.3367,
0.3362

94.9589, 0.3184,
0.3308

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



28.0827, 0.5278, 0.2819



28.0827, 0.5745, 0.3586



28.0827, 0.5278, 0.4461

Triad

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



28.0827, 0.5745, 0.3586



28.0827, 0.2030, 0.5044



28.0827, 0.1641, 0.1454

Complementary

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



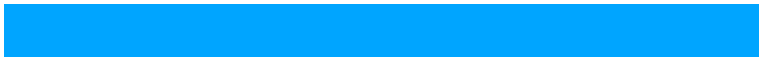
28.0827, 0.5745, 0.3586



54.3024, 0.2121, 0.2722

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.



28.0827, 0.1172, 0.1562



28.0827, 0.5745, 0.3586



28.0827, 0.1300, 0.3289

Square

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



28.0827, 0.5745, 0.3586



28.0827, 0.3134, 0.5933



28.0827, 0.1055, 0.2089



28.0827, 0.2568, 0.1653

Rectangle

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



28.0827, 0.5745, 0.3586



28.0827, 0.4653, 0.5108



28.0827, 0.1055, 0.2089



28.0827, 0.1440, 0.1453

Sweetspot

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



28.0813, 0.5745, 0.3586



68.4171, 0.3625, 0.3428



27.6892, 0.3680, 0.1887



13.8532, 0.3716, 0.3448



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.



28.0813, 0.5745, 0.3586



23.7763, 0.6193, 0.3465



58.7316, 0.4661, 0.4539



18.5947, 0.3289, 0.3340



12.5931, 0.6168, 0.3485



1.3738, 0.5961, 0.3649

Inverse Universe

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



54.3024, 0.2121, 0.2722



49.6159, 0.2055, 0.2598



17.9988, 0.1738, 0.1295



19.8067, 0.2980, 0.3240



26.1471, 0.2059, 0.2611



2.6986, 0.2083, 0.2697

Previews

White Background



This preview shows how the Yxy color 28.0827, 0.5745, 0.3586 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 28.0827, 0.5745, 0.3586 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 28.0827, 0.5745, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 28.0827, 0.5745, 0.3586.



This preview shows how white text looks on a background with the Yxy color 28.0827, 0.5745, 0.3586.

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

28.0827, 0.5745, 0.3586

Protanopia

28.1233, 0.4147, 0.4563

Deuteranopia

28.0127, 0.4672, 0.4575



Tritanopia

28.1346, 0.5342, 0.3264

Trichromacy



Original Color

28.0827, 0.5745, 0.3586

Protanomaly

26.2653, 0.4791, 0.4148

Deuteranomaly

26.6009, 0.5143, 0.4146

Tritanomaly

28.0556, 0.5516, 0.3397

Monochromacy



Original Color

28.0827, 0.5745, 0.3586

Achromatopsia

23.0740, 0.3127, 0.3290

Achromatomaly

22.5094, 0.4157, 0.3529

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0827, 0.5745, 0.3586 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, 86, 42)` looks like.

```
.text, #text, p{  
    color:rgb(255, 86, 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(255, 86, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 86, 42) }
```

Border

The CSS property to change the border of an element to Yxy 28.0827, 0.5745, 0.3586 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, 86, 42) }
```

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

```
.border{ border-color:rgb(255, 86, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 86, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 86, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 86, 42);  
box-shadow:4px 4px 4px 4px rgb(255, 86,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0827, 0.5745, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 86, 42) }
```

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

```
.background{ background-color: rgb(255, 86,  
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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