

Converting Colors

$Y_{xy}(35.7639, 0.5755, 0.3475)$

Have a look what the booklet for
Yxy(35.7639, 0.5755, 0.3475)
contains.

Yxy(28.7205, 0.5588, 0.3520)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.7205, 0.5588, 0.3520)

Conversions

Conversions Part 1

Format	Color
Hex	FF593B
RGB	255, 89, 59
RGB Percent	100%, 35%, 23%
CMY	0.0001, 0.6508, 0.7686
CMYK	0.00, 0.65, 0.77, 0.00
HSL	9°, 100%, 62%
HSV	9°, 77%, 100%
XYZ	45.5938, 28.7205, 7.2780
YIQ	135.2140, 108.5660, 25.8620

Conversions

Conversions Part 2

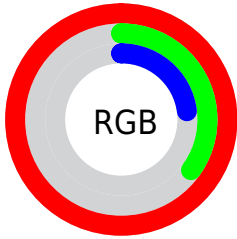
Format	Color
R_{YB}	255, 94, 59
Decimal	16734523
CIE _{Lab}	60.53, 61.52, 50.79
CIE _{LCh}	61, 79.772, 39.543
Yxy	28.7205, 0.5588, 0.3520
Android (android.graphics.Color)	4294924603 (0xFFFF593B)
YUV	135.2140, -37.5735, 105.0523
Hunter-Lab	53.5915, 58.0765, 29.4621

Details

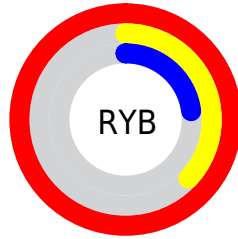
The Yxy color **28.7205, 0.5588, 0.3520** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **61.9582, 0.2197, 0.2912**, and the grayscale version is **24.4303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.9005, 0.4645, 0.3675**, and **11.5429, 0.6255, 0.3346** is the 20% darker color. If you saturate the color by 10%, you get **25.4357, 0.5959, 0.3481**, and if you desaturate by 10%, it is **33.1910, 0.5157, 0.3530**.

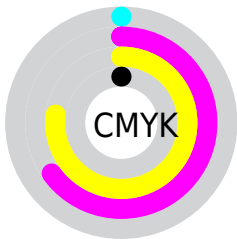
Distribution



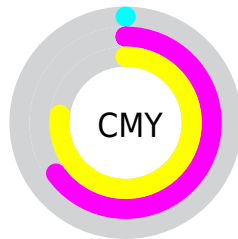
- Red (100%)
- Green (35%)
- Blue (23%)



- Red (100%)
- Yellow (37%)
- Blue (23%)



- Cyan (0%)
- Magenta (65%)
- Yellow (77%)
- Black (0%)




- Cyan (0%)
- Magenta (65%)
- Yellow (77%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.7205, 0.5588, 0.3520 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 28.7205, 0.5588, 0.3520 by changing the saturation by 10% instead.

 28.7205, 0.5588,
0.3520


 28.7205, 0.5588,
0.3520


295.8939, 0.4308,
0.3542

 18.8695, 0.5889,
0.3459


 57.6327, 0.5129,
0.3568

 11.5760, 0.6252,
0.3348


 77.4627, 0.4953,
0.3574


 6.4557, 0.6752,
0.3184


 101.3878, 0.4803,
0.3573

 3.1241, 0.7188,
0.2812

 129.7924, 0.4675,
0.3570

 1.1969, 0.7756,
0.2244

 163.0610, 0.4564,
0.3564

 0.0591, 0.9678,
0.0322

 201.5778, 0.4468,

 0.0000, 1.0000,

0.3557

0.0000

245.7273, 0.4383,
0.3549

■ 0.0000, 0.0000,
0.0000

■ 28.7205, 0.5588,
0.3520

■ 28.7205, 0.5588,
0.3520

■ 25.4357, 0.5959,
0.3481

■ 33.1910, 0.5157,
0.3530

■ 23.2155, 0.6218,
0.3417


■ 38.9423, 0.4723,
0.3515


■ 22.7112, 0.6277,
0.3398

■ 46.0654, 0.4324,
0.3484

■ 54.6415, 0.3975,
0.3444

■ 64.7455, 0.3682,
0.3401

 76.4470, 0.3440,
0.3358

 89.8114, 0.3242,
0.3317

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



28.7205, 0.5017, 0.2779



28.7205, 0.5588, 0.3520



28.7205, 0.5269, 0.4346

Triad

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



28.7205, 0.5588, 0.3520



28.7205, 0.2228, 0.5066



28.7205, 0.1646, 0.1539

Complementary

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



28.7205, 0.5588, 0.3520



61.9582, 0.2197, 0.2912

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.



28.7205, 0.1233, 0.1691



28.7205, 0.5588, 0.3520



28.7205, 0.1463, 0.3484

Square

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



28.7205, 0.5588, 0.3520



28.7205, 0.3306, 0.5743



28.7205, 0.1162, 0.2271



28.7205, 0.2479, 0.1697

Rectangle

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



28.7205, 0.5588, 0.3520



28.7205, 0.4725, 0.4942



28.7205, 0.1162, 0.2271



28.7205, 0.1467, 0.1552

Sweetspot

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



28.7222, 0.5588, 0.3520



69.0878, 0.3583, 0.3384



29.8499, 0.3513, 0.1857



13.9197, 0.3676, 0.3400



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.



28.7222, 0.5588, 0.3520



24.1760, 0.6109, 0.3450



56.8484, 0.4644, 0.4425



18.4364, 0.3291, 0.3327



12.0033, 0.6257, 0.3414



1.2938, 0.6070, 0.3563

Inverse Universe

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



61.9582, 0.2197, 0.2912



58.0534, 0.2128, 0.2828



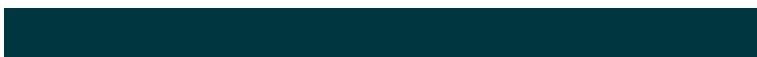
23.4793, 0.1851, 0.1579



19.9790, 0.2980, 0.3253



29.5884, 0.2110, 0.2794



3.0035, 0.2127, 0.2856

Previews

White Background



This preview shows how the Yxy color 28.7205, 0.5588, 0.3520 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 28.7205, 0.5588, 0.3520 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 28.7205, 0.5588, 0.3520

Background



This preview shows how black text looks on a background with the Yxy color 28.7205, 0.5588, 0.3520.



This preview shows how white text looks on a background with the Yxy color 28.7205, 0.5588, 0.3520.

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

28.7205, 0.5588, 0.3520

Protanopia

28.6566, 0.3987, 0.4347

Deuteranopia

28.7378, 0.4524, 0.4441



Tritanopia

28.6709, 0.5273, 0.3254

Trichromacy



Original Color

28.7205, 0.5588, 0.3520

Protanomaly

26.7115, 0.4620, 0.3988

Deuteranomaly

27.4691, 0.4971, 0.4048

Tritanomaly

28.6409, 0.5406, 0.3362

Monochromacy



Original Color

28.7205, 0.5588, 0.3520

Achromatopsia

24.2281, 0.3127, 0.3290

Achromatomaly

23.6021, 0.4057, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.7205, 0.5588, 0.3520 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, 89, 59)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 59)  
}
```

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, 89, 59) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 59) }
```

Border

The CSS property to change the border of an element to Yxy 28.7205, 0.5588, 0.3520 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, 89, 59) }
```

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

```
.border{ border-color:rgb(255, 89, 59) }
```

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

Here you see how a box with a 4 pixel rgb(255, 89, 59) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 59); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 59);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
59) }
```


Background

The CSS property to change the background color of an element to Yxy 28.7205, 0.5588, 0.3520 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 89, 59) }
```

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

```
.background{ background-color: rgb(255, 89,  
59) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor