

Converting Colors

$Yxy(28.6527, 0.5646, 0.3561)$

Have a look what the booklet for
Yxy(28.6527, 0.5646, 0.3561)
contains.

Yxy(28.6527, 0.5646, 0.3561)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.6527, 0.5646, 0.3561)$

Conversions

Conversions Part 1

Format	Color
Hex	FF5934
RGB	255, 89, 52
RGB Percent	100%, 35%, 20%
CMY	0.0000, 0.6509, 0.7962
CMYK	0.00, 0.65, 0.80, 0.00
HSL	11°, 100%, 60%
HSV	11°, 80%, 100%
XYZ	45.4291, 28.6527, 6.3807
YIQ	134.4160, 110.8130, 23.6850

Conversions

Conversions Part 2

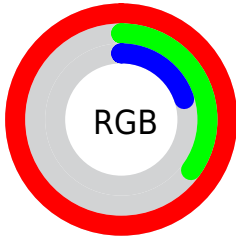
Format	Color
R_{YB}	255, 97, 52
Decimal	16734516
CIE _{Lab}	60.47, 61.30, 54.17
CIE _{LCh}	60, 81.806, 41.463
Yxy	28.6527, 0.5646, 0.3561
Android (android.graphics.Color)	4294924596 (0xFFFF5934)
YUV	134.4160, -40.6311, 105.7522
Hunter-Lab	53.5282, 57.8177, 30.4023

Details

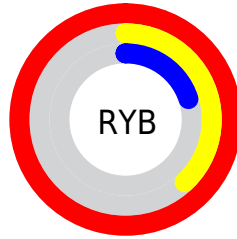
The Yxy color **28.6527, 0.5646, 0.3561** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **58.0562, 0.2161, 0.2818**, and the grayscale version is **24.1256, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.7771, 0.4702, 0.3730**, and **11.5599, 0.6299, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **25.4907, 0.5990, 0.3510**, and if you desaturate by 10%, it is **32.9239, 0.5234, 0.3579**.

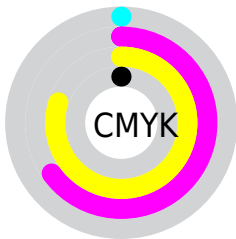
Distribution



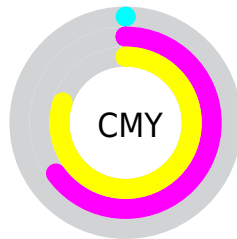
- Red (100%)
- Green (35%)
- Blue (20%)



- Red (100%)
- Yellow (38%)
- Blue (20%)



- Cyan (0%)
- Magenta (65%)
- Yellow (80%)
- Black (0%)



- Cyan (0%)
- Magenta (65%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.6527, 0.5646, 0.3561 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 28.6527, 0.5646, 0.3561 by changing the saturation by 10% instead.


 28.6527, 0.5646,
0.3561


 28.6527, 0.5646,
0.3561


295.5728, 0.4346,
0.3575

 18.8183, 0.5945,
0.3496


 57.5248, 0.5184,
0.3610

 11.5390, 0.6300,
0.3379


 77.3313, 0.5006,
0.3615


 6.4306, 0.6792,
0.3208


 101.2306, 0.4853,
0.3614

 3.1087, 0.7185,
0.2815

 129.6071, 0.4723,
0.3609

 1.1887, 0.7754,
0.2246

 162.8451, 0.4609,
0.3602

 0.0525, 0.9711,
0.0289

 201.3292, 0.4510,

 0.0000, 1.0000,

0.3593

0.0000

245.4436, 0.4423,
0.3585

■ 0.0000, 0.0000,
0.0000

■ 28.6527, 0.5646,
0.3561

■ 28.6527, 0.5646,
0.3561

■ 25.4907, 0.5990,
0.3510

■ 32.9239, 0.5234,
0.3579

■ 23.3201, 0.6226,
0.3435

■ 38.3922, 0.4808,
0.3566

■ 23.2548, 0.6234,
0.3432

■ 45.1419, 0.4407,
0.3533

■ 53.2482, 0.4053,
0.3487

■ 62.7806, 0.3751,
0.3436

 73.8034, 0.3500,
0.3384

 86.3772, 0.3292,
0.3335

99.9982, 0.3127,
0.3290

Harmonies

Analogous

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



28.6527, 0.5130, 0.2809



28.6527, 0.5646, 0.3561



28.6527, 0.5259, 0.4406

Triad

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



28.6527, 0.5646, 0.3561



28.6527, 0.2138, 0.5029



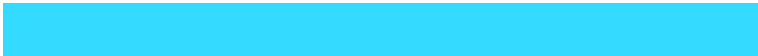
28.6527, 0.1657, 0.1509

Complementary

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



28.6527, 0.5646, 0.3561



58.0562, 0.2161, 0.2818

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.



28.6527, 0.1217, 0.1638



28.6527, 0.5646, 0.3561



28.6527, 0.1394, 0.3384

Square

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



28.6527, 0.5646, 0.3561



28.6527, 0.3222, 0.5809



28.6527, 0.1122, 0.2188



28.6527, 0.2533, 0.1688

Rectangle

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



28.6527, 0.5646, 0.3561



28.6527, 0.4681, 0.5020



28.6527, 0.1122, 0.2188



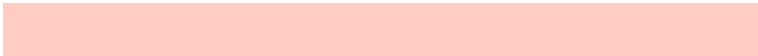
28.6527, 0.1468, 0.1515

Sweetspot

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



28.6544, 0.5646, 0.3561



68.7947, 0.3604, 0.3407



28.9396, 0.3568, 0.1859



13.8978, 0.3696, 0.3425



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.



28.6544, 0.5646, 0.3561



24.0036, 0.6152, 0.3462



57.1803, 0.4663, 0.4467



18.5232, 0.3290, 0.3334



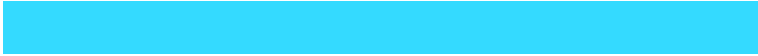
12.3055, 0.6211, 0.3451



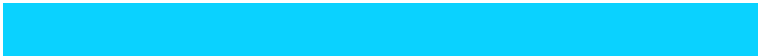
1.3358, 0.6012, 0.3609

Inverse Universe

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



58.0562, 0.2161, 0.2818



53.5357, 0.2090, 0.2709



21.2951, 0.1805, 0.1471



19.8843, 0.2980, 0.3246



27.6643, 0.2082, 0.2694



2.8335, 0.2103, 0.2769

Previews

White Background



This preview shows how the Yxy color 28.6527, 0.5646, 0.3561 looks on a white background.

Color Contrast Check

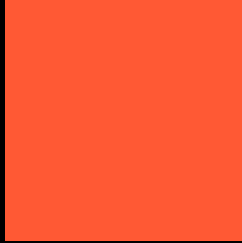
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.6527, 0.5646, 0.3561 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 28.6527, 0.5646, 0.3561

Background



This preview shows how black text looks on a background with the Yxy color 28.6527, 0.5646, 0.3561.



This preview shows how white text looks on a background with the Yxy color 28.6527, 0.5646, 0.3561.

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

28.6527, 0.5646, 0.3561

Protanopia

28.6565, 0.4066, 0.4443

Deuteranopia

28.7955, 0.4587, 0.4500



Tritanopia

28.6538, 0.5285, 0.3263

Trichromacy



Original Color

28.6527, 0.5646, 0.3561

Protanomaly

26.7508, 0.4706, 0.4065

Deuteranomaly

27.5508, 0.5036, 0.4098

Tritanomaly

28.5982, 0.5439, 0.3385

Monochromacy



Original Color

28.6527, 0.5646, 0.3561

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

23.4213, 0.4084, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.6527, 0.5646, 0.3561 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, 52)` looks like.

```
.text, #text, p{  
    color:rgb(255, 89, 52)  
}
```

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, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 89, 52) }
```

Border

The CSS property to change the border of an element to Yxy 28.6527, 0.5646, 0.3561 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, 52) }
```

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

```
.border{ border-color:rgb(255, 89, 52) }
```

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, 52) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 89, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 89, 52);  
box-shadow:4px 4px 4px 4px rgb(255, 89,  
52) }
```


Background

The CSS property to change the background color of an element to Yxy 28.6527, 0.5646, 0.3561 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, 52) }
```

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

```
.background{ background-color: rgb(255, 89,  
52) }
```

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