

Converting Colors

$Yxy(35.5031, 0.5734, 0.3528)$

Have a look what the booklet for
Yxy(35.5031, 0.5734, 0.3528)
contains.

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Color

Yxy(29.3645, 0.5586, 0.3578)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FF5D37 |
| RGB | 255, 93, 55 |
| RGB Percent | 100%, 36%, 22% |
| CMY | 0.0000, 0.6353, 0.7845 |
| CMYK | 0.00, 0.64, 0.78, 0.00 |
| HSL | 11°, 100%, 61% |
| HSV | 11°, 78%, 100% |
| XYZ | 45.8441, 29.3645, 6.8610 |
| YIQ | 137.1060, 108.7500, 22.5260 |

Conversions

Conversions Part 2

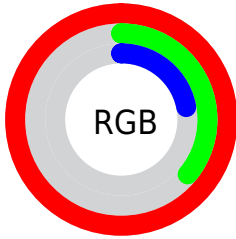
| Format | Color |
|-------------------------------------|---------------------------------|
| R_{YB} | 255, 102, 55 |
| Decimal | 16735543 |
| CIE _{Lab} | 61.10, 59.78, 53.35 |
| CIE _{LCh} | 61, 80.125, 41.744 |
| Yxy | 29.3645, 0.5586, 0.3578 |
| Android (android.graphics.Color) | 4294925623 (0xFFFF5D37) |
| YUV | 137.1060, -40.4783, 103.3930 |
| Hunter-Lab | 54.1890, 56.1807, 30.4254 |

Details

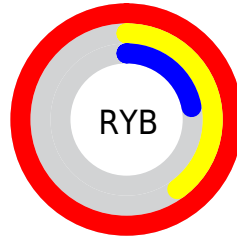
The Yxy color **29.3645, 0.5586, 0.3578** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **57.6322, 0.2162, 0.2805**, and the grayscale version is **25.1835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.7748, 0.4651, 0.3733**, and **11.9337, 0.6226, 0.3418** is the 20% darker color. If you saturate the color by 10%, you get **26.0323, 0.5940, 0.3530**, and if you desaturate by 10%, it is **33.8038, 0.5172, 0.3591**.

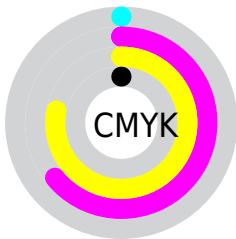
Distribution



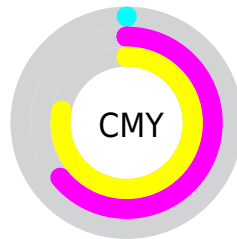
- Red (100%)
- Green (36%)
- Blue (22%)



- Red (100%)
- Yellow (40%)
- Blue (22%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)
- Black (0%)



- Cyan (0%)
- Magenta (64%)
- Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3645, 0.5586, 0.3578 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 29.3645, 0.5586, 0.3578 by changing the saturation by 10% instead.


 29.3645, 0.5586,
0.3578


 29.3645, 0.5586,
0.3578


298.9309, 0.4317,
0.3576

 19.3567, 0.5880,
0.3521


 58.6557, 0.5134,
0.3619

 11.9283, 0.6229,
0.3413


 78.7079, 0.4960,
0.3622


 6.6949, 0.6727,
0.3263


 102.8771, 0.4812,
0.3619

 3.2720, 0.7114,
0.2886

 131.5476, 0.4684,
0.3612

 1.2753, 0.7666,
0.2334

 165.1039, 0.4574,
0.3604

 0.1220, 0.9368,
0.0632

 203.9302, 0.4478,

 0.0000, 1.0000,

0.3595

0.0000

248.4111, 0.4393,
0.3586

■ 0.0000, 0.0000,
0.0000

■ 29.3645, 0.5586,
0.3578

■ 29.3645, 0.5586,
0.3578

■ 26.0323, 0.5940,
0.3530

■ 33.8038, 0.5172,
0.3591

■ 23.6988, 0.6190,
0.3453

■ 39.4354, 0.4751,
0.3575


■ 23.4152, 0.6221,
0.3442

■ 46.3401, 0.4358,
0.3538

■ 54.5902, 0.4012,
0.3489

■ 64.2529, 0.3718,
0.3436

 75.3904, 0.3473,
0.3382

 88.0614, 0.3270,
0.3331

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.



29.3645, 0.5085, 0.2833



29.3645, 0.5586, 0.3578



29.3645, 0.5215, 0.4410

Triad

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



29.3645, 0.5586, 0.3578



29.3645, 0.2160, 0.4958



29.3645, 0.1695, 0.1544

Complementary

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



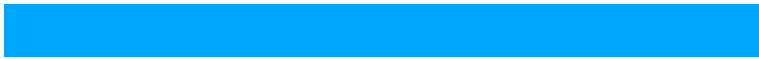
29.3645, 0.5586, 0.3578



57.6322, 0.2162, 0.2805

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.



29.3645, 0.1255, 0.1671



29.3645, 0.5586, 0.3578



29.3645, 0.1429, 0.3373

Square

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



29.3645, 0.5586, 0.3578



29.3645, 0.3225, 0.5735



29.3645, 0.1160, 0.2212



29.3645, 0.2560, 0.1723

Rectangle

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



29.3645, 0.5586, 0.3578



29.3645, 0.4653, 0.5005



29.3645, 0.1160, 0.2212



29.3645, 0.1506, 0.1550

Sweetspot

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



29.3657, 0.5586, 0.3578



69.0197, 0.3603, 0.3412



29.0677, 0.3600, 0.1892



13.9505, 0.3694, 0.3431



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.



29.3657, 0.5586, 0.3578



24.6213, 0.6093, 0.3489



59.0831, 0.4613, 0.4490



18.5460, 0.3290, 0.3336



12.3935, 0.6197, 0.3461



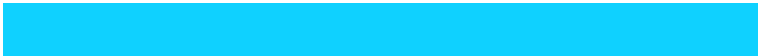
1.3476, 0.5996, 0.3621

Inverse Universe

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



57.6322, 0.2162, 0.2805



53.1258, 0.2089, 0.2697



21.0603, 0.1809, 0.1458



19.8595, 0.2980, 0.3244



27.1733, 0.2074, 0.2667



2.7899, 0.2096, 0.2746

Previews

White Background



This preview shows how the Yxy color 29.3645, 0.5586, 0.3578 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 29.3645, 0.5586, 0.3578 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 29.3645, 0.5586, 0.3578

Background



This preview shows how black text looks on a background with the Yxy color 29.3645, 0.5586, 0.3578.



This preview shows how white text looks on a background with the Yxy color 29.3645, 0.5586, 0.3578.

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

29.3645, 0.5586, 0.3578

Protanopia

29.5273, 0.4047, 0.4420

Deuteranopia

29.2376, 0.4564, 0.4477



Tritanopia

29.3986, 0.5196, 0.3253

Trichromacy



Original Color

29.3645, 0.5586, 0.3578

Protanomaly

27.6903, 0.4657, 0.4068

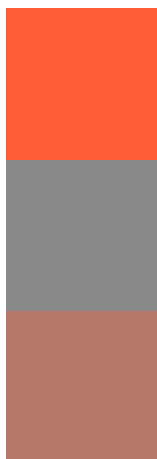
Deuteranomaly

28.0728, 0.4985, 0.4095

Tritanomaly

29.3214, 0.5364, 0.3388

Monochromacy



Original Color

29.3645, 0.5586, 0.3578

Achromatopsia

25.0158, 0.3127, 0.3290

Achromatomaly

24.4396, 0.4051, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3645, 0.5586, 0.3578 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, 93, 55)` looks like.

```
.text, #text, p{  
  color:rgb(255, 93, 55)  
}
```

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, 93, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 93, 55) }
```

Border

The CSS property to change the border of an element to Yxy 29.3645, 0.5586, 0.3578 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, 93, 55) }
```

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

```
.border{ border-color:rgb(255, 93, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 93, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 93, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 93, 55);  
box-shadow:4px 4px 4px 4px rgb(255, 93,  
55) }
```


Background

The CSS property to change the background color of an element to `rgb(29.3645, 0.5586, 0.3578)` is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 93, 55) }
```

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

```
.background{ background-color: rgb(255, 93,  
55) }
```

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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