

Converting Colors

$Y_{xy}(27.6133, 0.5809, 0.3591)$

Have a look what the booklet for
Yxy(27.6133, 0.5809, 0.3591)
contains.

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Color

Yxy(27.5739, 0.5809, 0.3587)

Conversions

Conversions Part 1

Format	Color
Hex	FF5324
RGB	255, 83, 36
RGB Percent	100%, 33%, 14%
CMY	0.0000, 0.6745, 0.8586
CMYK	0.00, 0.67, 0.86, 0.00
HSL	13°, 100%, 57%
HSV	13°, 86%, 100%
XYZ	44.6548, 27.5739, 4.6431
YIQ	129.0700, 117.5990, 21.8470

Conversions

Conversions Part 2

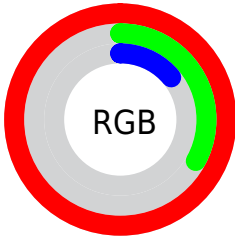
Format	Color
R_{YB}	255, 96, 36
Decimal	16732964
CIE _{Lab}	59.50, 63.26, 60.30
CIE _{LCh}	60, 87.397, 43.629
Yxy	27.5739, 0.5809, 0.3587
Android (android.graphics.Color)	4294923044 (0xFFFF5324)
YUV	129.0700, -45.8835, 110.4406
Hunter-Lab	52.5109, 59.9010, 31.5151

Details

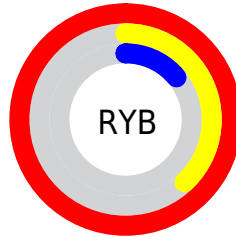
The Yxy color **27.5739, 0.5809, 0.3587** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **52.7415, 0.2102, 0.2681**, and the grayscale version is **22.1138, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7043, 0.4884, 0.3799**, and **10.9491, 0.6378, 0.3317** is the 20% darker color. If you saturate the color by 10%, you get **24.8343, 0.6089, 0.3511**, and if you desaturate by 10%, it is **31.3100, 0.5439, 0.3627**.

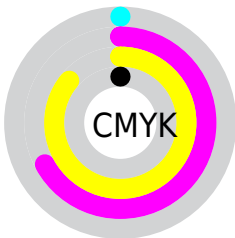
Distribution



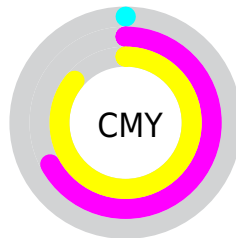
- Red (100%)
- Green (33%)
- Blue (14%)



- Red (100%)
- Yellow (38%)
- Blue (14%)



- Cyan (0%)
- Magenta (67%)
- Yellow (86%)
- Black (0%)




- Cyan (0%)
- Magenta (67%)
- Yellow (86%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.5739, 0.5809, 0.3587 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 27.5739, 0.5809, 0.3587 by changing the saturation by 10% instead.


 27.5739, 0.5809,
0.3587


 27.5739, 0.5809,
0.3587


290.4252, 0.4443,
0.3622


 18.0047, 0.6109,
0.3505


 55.8034, 0.5333,
0.3654


 10.9534, 0.6467,
0.3366


 75.2326, 0.5146,
0.3663


 6.0355, 0.6874,
0.3126

 98.7171, 0.4985,
0.3663

 2.8667, 0.7285,
0.2715

 126.6415, 0.4846,
0.3659

 1.0625, 0.7880,
0.2120

 159.3901, 0.4725,
0.3652

 0.0000, 1.0000,
0.0000

 197.3473, 0.4619,

 0.0000, 0.0000,

0.3643

0.0000

240.8976, 0.4526,
0.3633

■ 27.5739, 0.5809,
0.3587

■ 27.5739, 0.5809,
0.3587

■ 24.8343, 0.6089,
0.3511

■ 31.3100, 0.5439,
0.3627


■ 23.9605, 0.6179,
0.3476


■ 36.1316, 0.5028,
0.3629

■ 42.1174, 0.4621,
0.3602

■ 49.3388, 0.4248,
0.3555

■ 57.8608, 0.3922,
0.3498

 67.7439, 0.3646,
0.3438

 79.0449, 0.3415,
0.3378

 91.8172, 0.3223,
0.3321

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.



27.5739, 0.5360, 0.2813



27.5739, 0.5809, 0.3587



27.5739, 0.5300, 0.4480

Triad

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



27.5739, 0.5809, 0.3587



27.5739, 0.1975, 0.5078



27.5739, 0.1619, 0.1417

Complementary

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



27.5739, 0.5809, 0.3587



52.7415, 0.2102, 0.2681

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.



27.5739, 0.1139, 0.1517



27.5739, 0.5809, 0.3587



27.5739, 0.1247, 0.3252

Square

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



27.5739, 0.5809, 0.3587



27.5739, 0.3093, 0.6017



27.5739, 0.1013, 0.2037



27.5739, 0.2571, 0.1625

Rectangle

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



27.5739, 0.5809, 0.3587



27.5739, 0.4649, 0.5149



27.5739, 0.1013, 0.2037



27.5739, 0.1414, 0.1414

Sweetspot

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



27.5741, 0.5809, 0.3587



67.5916, 0.3649, 0.3439



27.2397, 0.3698, 0.1877



13.7024, 0.3740, 0.3460



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.



27.5741, 0.5809, 0.3587



23.9605, 0.6179, 0.3476



57.9209, 0.4694, 0.4545



18.6180, 0.3289, 0.3342



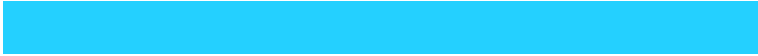
12.6945, 0.6153, 0.3496



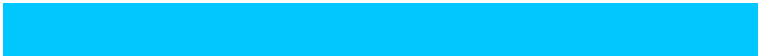
1.3868, 0.5944, 0.3662

Inverse Universe

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



52.7415, 0.2102, 0.2681



48.6849, 0.2047, 0.2570



17.0494, 0.1713, 0.1243



19.7816, 0.2980, 0.3238



25.6661, 0.2051, 0.2583



2.6557, 0.2076, 0.2673

Previews

White Background



This preview shows how the Yxy color 27.5739, 0.5809, 0.3587 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 27.5739, 0.5809, 0.3587 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 27.5739, 0.5809, 0.3587

Background



This preview shows how black text looks on a background with the Yxy color 27.5739, 0.5809, 0.3587.



This preview shows how white text looks on a background with the Yxy color 27.5739, 0.5809, 0.3587.

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

27.5739, 0.5809, 0.3587

Protanopia

27.6591, 0.4187, 0.4619

Deuteranopia

27.5534, 0.4723, 0.4632



Tritanopia

27.6219, 0.5411, 0.3273

Trichromacy



Original Color

27.5739, 0.5809, 0.3587

Protanomaly

25.7184, 0.4860, 0.4172

Deuteranomaly

26.3069, 0.5214, 0.4191

Tritanomaly

27.5382, 0.5590, 0.3408

Monochromacy



Original Color

27.5739, 0.5809, 0.3587

Achromatopsia

21.9526, 0.3127, 0.3290

Achromatomaly

21.5285, 0.4207, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5739, 0.5809, 0.3587 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, 83, 36)` looks like.

```
.text, #text, p{  
    color:rgb(255, 83, 36)  
}
```

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, 83, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 83, 36) }
```

Border

The CSS property to change the border of an element to Yxy 27.5739, 0.5809, 0.3587 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, 83, 36) }
```

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

```
.border{ border-color:rgb(255, 83, 36) }
```

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

Here you see how a box with a 4 pixel rgb(255, 83, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 83, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 83, 36);  
box-shadow:4px 4px 4px 4px rgb(255, 83,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5739, 0.5809, 0.3587 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 83, 36) }
```

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

```
.background{ background-color: rgb(255, 83,  
36) }
```

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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