

Converting Colors

$Y_{xy}(27.1131, 0.5739, 0.3635)$

Have a look what the booklet for
Yxy(27.1131, 0.5739, 0.3635)
contains.

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Color

Yxy(27.0835, 0.5743, 0.3634)

Conversions

Conversions Part 1

Format	Color
Hex	F95724
RGB	249, 87, 36
RGB Percent	98%, 34%, 14%
CMY	0.0234, 0.6589, 0.8587
CMYK	0.00, 0.65, 0.86, 0.02
HSL	14°, 95%, 56%
HSV	14°, 86%, 98%
XYZ	42.8015, 27.0835, 4.6431
YIQ	129.6240, 112.9230, 18.4830

Conversions

Conversions Part 2

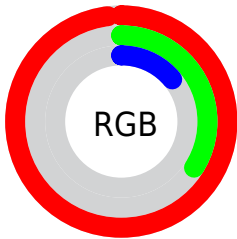
Format	Color
R_{YB}	249, 103, 36
Decimal	16340772
CIE _{Lab}	59.05, 59.75, 59.53
CIE _{LCh}	59, 84.339, 44.894
Yxy	27.0835, 0.5743, 0.3634
Android (android.graphics.Color)	4294530852 (0xFFFF95724)
YUV	129.6240, -46.1566, 104.6928
Hunter-Lab	52.0418, 55.7331, 31.1395

Details

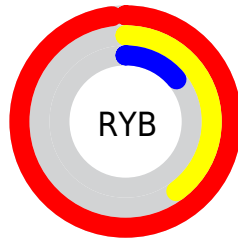
The Yxy color **27.0835, 0.5743, 0.3634** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **47.6421, 0.2084, 0.2610**, and the grayscale version is **22.3184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5930, 0.4859, 0.3829**, and **10.7267, 0.6305, 0.3376** is the 20% darker color. If you saturate the color by 10%, you get **24.3073, 0.6028, 0.3556**, and if you desaturate by 10%, it is **30.7733, 0.5377, 0.3672**.

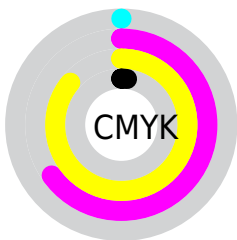
Distribution



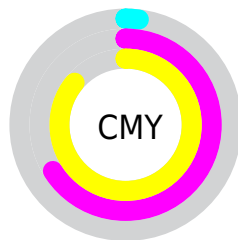
- Red (98%)
- Green (34%)
- Blue (14%)



- Red (98%)
- Yellow (40%)
- Blue (14%)



- Cyan (0%)
- Magenta (65%)
- Yellow (86%)
- Black (2%)





- Cyan (2%)
- Magenta (66%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0835, 0.5743, 0.3634 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 27.0835, 0.5743, 0.3634 by changing the saturation by 10% instead.


 27.0835, 0.5743,
0.3634


 27.0835, 0.5743,
0.3634


288.0612, 0.4404,
0.3638


 17.6359, 0.6040,
0.3560


 55.0178, 0.5274,
0.3689

 10.6889, 0.6395,
0.3430


 74.2734, 0.5091,
0.3693

 5.8581, 0.6800,
0.3200

 97.5671, 0.4933,
0.3689

 2.7590, 0.7209,
0.2791

 125.2833, 0.4797,
0.3682

 1.0072, 0.7808,
0.2192

 157.8064, 0.4679,
0.3672

 0.0000, 1.0000,
0.0000

 195.5208, 0.4576,

 0.0000, 0.0000,

0.3661

0.0000

238.8110, 0.4484,
0.3649

■ 27.0835, 0.5743,
0.3634

■ 27.0835, 0.5743,
0.3634

■ 24.3073, 0.6028,
0.3556

■ 30.7733, 0.5377,
0.3672


■ 23.3312, 0.6129,
0.3516

■ 35.4483, 0.4976,
0.3670


■ 41.1776, 0.4581,
0.3637


■ 48.0223, 0.4220,
0.3583

■ 56.0386, 0.3903,
0.3519

 65.2791, 0.3632,
0.3452

 75.7927, 0.3406,
0.3386

 87.6259, 0.3217,
0.3323

 98.8848, 0.3090,
0.3290

Harmonies

Analogous

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



27.0835, 0.5339, 0.2863



27.0835, 0.5743, 0.3634



27.0835, 0.5231, 0.4518

Triad

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



27.0835, 0.5743, 0.3634



27.0835, 0.1970, 0.4948



27.0835, 0.1681, 0.1456

Complementary

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



27.0835, 0.5743, 0.3634



47.6421, 0.2084, 0.2610

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.



27.0835, 0.1188, 0.1544



27.0835, 0.5743, 0.3634



27.0835, 0.1271, 0.3194

Square

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



27.0835, 0.5743, 0.3634



27.0835, 0.3063, 0.5930



27.0835, 0.1050, 0.2039



27.0835, 0.2639, 0.1673

Rectangle

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



27.0835, 0.5743, 0.3634



27.0835, 0.4591, 0.5167



27.0835, 0.1050, 0.2039



27.0835, 0.1471, 0.1449

Sweetspot

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



27.0851, 0.5743, 0.3634



68.3727, 0.3645, 0.3456



25.5472, 0.3788, 0.1934



13.8836, 0.3734, 0.3479



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.



27.0851, 0.5743, 0.3634



24.5968, 0.6131, 0.3514



58.0721, 0.4620, 0.4602



17.8991, 0.3288, 0.3347



12.6676, 0.6102, 0.3537



1.3300, 0.5876, 0.3717

Inverse Universe

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



47.6421, 0.2084, 0.2610



45.8065, 0.2023, 0.2481



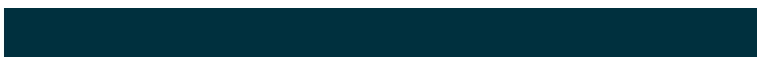
15.0157, 0.1696, 0.1172



18.8636, 0.2980, 0.3232



23.4761, 0.2027, 0.2496



2.3372, 0.2056, 0.2602

Previews

White Background



This preview shows how the Yxy color 27.0835, 0.5743, 0.3634 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 27.0835, 0.5743, 0.3634 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 27.0835, 0.5743, 0.3634

Background



This preview shows how black text looks on a background with the Yxy color 27.0835, 0.5743, 0.3634.



This preview shows how white text looks on a background with the Yxy color 27.0835, 0.5743, 0.3634.

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

27.0835, 0.5743, 0.3634

Protanopia

27.2461, 0.4192, 0.4624

Deuteranopia

27.0356, 0.4712, 0.4633



Tritanopia

27.2157, 0.5333, 0.3263

Trichromacy



Original Color

27.0835, 0.5743, 0.3634

Protanomaly

25.5618, 0.4824, 0.4209

Deuteranomaly

25.9677, 0.5164, 0.4225

Tritanomaly

27.0820, 0.5516, 0.3423

Monochromacy



Original Color

27.0835, 0.5743, 0.3634

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

21.7634, 0.4154, 0.3564

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0835, 0.5743, 0.3634 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(249, 87, 36)` looks like.

```
.text, #text, p{  
  color:rgb(249, 87, 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(249, 87, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 87, 36) }
```

Border

The CSS property to change the border of an element to Yxy 27.0835, 0.5743, 0.3634 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(249, 87, 36) }
```

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

```
.border{ border-color:rgb(249, 87, 36) }
```

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

Here you see how a box with a 4 pixel rgb(249, 87, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 87, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 87, 36);  
box-shadow:4px 4px 4px 4px rgb(249, 87,  
36) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0835, 0.5743, 0.3634 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 87, 36) }
```

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

```
.background{ background-color: rgb(249, 87,  
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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