

Converting Colors

$Y_{xy}(26.9756, 0.5795, 0.3515)$

Have a look what the booklet for
Yxy(26.9756, 0.5795, 0.3515)
contains.

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Color

Yxy(27.0414, 0.5787, 0.3516)

Conversions

Conversions Part 1

Format	Color
Hex	FF4F2D
RGB	255, 79, 45
RGB Percent	100%, 31%, 18%
CMY	0.0000, 0.6901, 0.8234
CMYK	0.00, 0.69, 0.82, 0.00
HSL	10°, 100%, 59%
HSV	10°, 82%, 100%
XYZ	44.5076, 27.0414, 5.3606
YIQ	127.7480, 115.8100, 26.7380

Conversions

Conversions Part 2

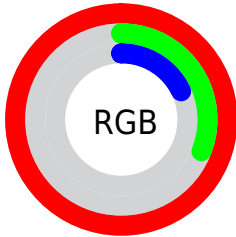
Format	Color
R_{YB}	255, 86, 45
Decimal	16731949
CIE _{Lab}	59.01, 64.94, 56.03
CIE _{LCh}	59, 85.771, 40.787
Yxy	27.0414, 0.5787, 0.3516
Android (android.graphics.Color)	4294922029 (0xFFFF4F2D)
YUV	127.7480, -40.7948, 111.6000
Hunter-Lab	52.0013, 61.7744, 30.2890

Details

The Yxy color **27.0414, 0.5787, 0.3516** 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 **59.4963, 0.2161, 0.2858**, and the grayscale version is **21.6134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **39.9775, 0.4837, 0.3701**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.2979, 0.6102, 0.3460**, and if you desaturate by 10%, it is **30.8973, 0.5383, 0.3542**.

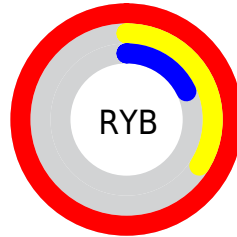
Distribution



Red (100%)

Green (31%)

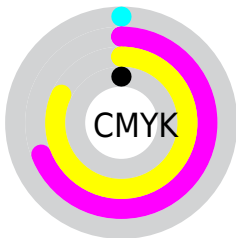
Blue (18%)



Red (100%)

Yellow (34%)

Blue (18%)

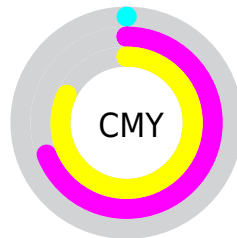


Cyan (0%)

Magenta (69%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (69%)

Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.0414, 0.5787, 0.3516 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 27.0414, 0.5787, 0.3516 by changing the saturation by 10% instead.

 27.0414, 0.5787,
0.3516


 27.0414, 0.5787,
0.3516


287.8575, 0.4413,
0.3572


 17.6043, 0.6099,
0.3434


 54.9503, 0.5301,
0.3586


 10.6663, 0.6466,
0.3291


 74.1909, 0.5112,
0.3598


 5.8429, 0.6932,
0.3068

 97.4681, 0.4951,
0.3601

 2.7498, 0.7355,
0.2645

 125.1664, 0.4813,
0.3599

 1.0025, 0.7963,
0.2037

 157.6700, 0.4692,
0.3594

 0.0000, 1.0000,
0.0000

 195.3635, 0.4587,

 0.0000, 0.0000,

0.3588

0.0000

238.6312, 0.4495,
0.3580

■ 27.0414, 0.5787,
0.3516

■ 27.0414, 0.5787,
0.3516

■ 24.2979, 0.6102,
0.3460

■ 30.8973, 0.5383,
0.3542

■ 22.8625, 0.6265,
0.3407

■ 35.9651, 0.4948,
0.3539

■ 42.3383, 0.4530,
0.3515

■ 50.0999, 0.4155,
0.3477

■ 59.3256, 0.3834,
0.3432

70.0860, 0.3566,
0.3386

82.4469, 0.3345,
0.3341

96.4701, 0.3164,
0.3299

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



27.0414, 0.5237, 0.2751



27.0414, 0.5787, 0.3516



27.0414, 0.5362, 0.4389

Triad

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



27.0414, 0.5787, 0.3516



27.0414, 0.2084, 0.5207



27.0414, 0.1570, 0.1428

Complementary

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



27.0414, 0.5787, 0.3516



59.4963, 0.2161, 0.2858

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.



27.0414, 0.1128, 0.1561



27.0414, 0.5787, 0.3516



27.0414, 0.1311, 0.3412

Square

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



27.0414, 0.5787, 0.3516



27.0414, 0.3213, 0.5983



27.0414, 0.1034, 0.2132



27.0414, 0.2466, 0.1606

Rectangle

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



27.0414, 0.5787, 0.3516



27.0414, 0.4744, 0.5046



27.0414, 0.1034, 0.2132



27.0414, 0.1379, 0.1435

Sweetspot

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



27.0430, 0.5787, 0.3516



67.0711, 0.3632, 0.3398



28.4926, 0.3544, 0.1817



13.5400, 0.3725, 0.3415



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.



27.0430, 0.5787, 0.3516



23.0232, 0.6246, 0.3413



54.7026, 0.4742, 0.4447



18.4617, 0.3290, 0.3329



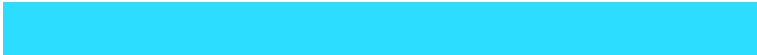
12.0863, 0.6244, 0.3424



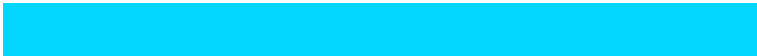
1.3056, 0.6053, 0.3576

Inverse Universe

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



59.4963, 0.2161, 0.2858



55.4013, 0.2101, 0.2761



20.8589, 0.1785, 0.1451



19.9513, 0.2980, 0.3251



29.0172, 0.2101, 0.2765



2.9531, 0.2120, 0.2831

Previews

White Background



This preview shows how the Yxy color 27.0414, 0.5787, 0.3516 looks on a white background.

Color Contrast Check

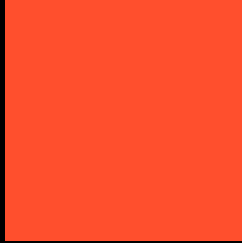
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0414, 0.5787, 0.3516 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 27.0414, 0.5787, 0.3516

Background



This preview shows how black text looks on a background with the Yxy color 27.0414, 0.5787, 0.3516.



This preview shows how white text looks on a background with the Yxy color 27.0414, 0.5787, 0.3516.

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

27.0414, 0.5787, 0.3516

Protanopia

27.2618, 0.4093, 0.4501

Deuteranopia

26.9862, 0.4638, 0.4561



Tritanopia

27.0081, 0.5475, 0.3266

Trichromacy



Original Color

27.0414, 0.5787, 0.3516

Protanomaly

25.0559, 0.4784, 0.4074

Deuteranomaly

25.6367, 0.5145, 0.4104

Tritanomaly

26.9730, 0.5611, 0.3370

Monochromacy



Original Color

27.0414, 0.5787, 0.3516

Achromatopsia

21.5861, 0.3127, 0.3290

Achromatomaly

21.0324, 0.4168, 0.3473

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0414, 0.5787, 0.3516 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, 79, 45)` looks like.

```
.text, #text, p{  
    color:rgb(255, 79, 45)  
}
```

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, 79, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 79, 45) }
```

Border

The CSS property to change the border of an element to Yxy 27.0414, 0.5787, 0.3516 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, 79, 45) }
```

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

```
.border{ border-color:rgb(255, 79, 45) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 79, 45)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 79, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 79, 45);  
box-shadow:4px 4px 4px 4px rgb(255, 79,  
45) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0414, 0.5787, 0.3516 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 79, 45) }
```

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

```
.background{ background-color: rgb(255, 79,  
45) }
```

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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