

Converting Colors

$Y_{xy}(25.3231, 0.5884, 0.3460)$

Have a look what the booklet for
Yxy(25.3231, 0.5884, 0.3460)
contains.

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Color

Yxy(25.3061, 0.5884, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	FD452A
RGB	253, 69, 42
RGB Percent	99%, 27%, 16%
CMY	0.0079, 0.7292, 0.8353
CMYK	0.00, 0.73, 0.83, 0.01
HSL	8°, 98%, 58%
HSV	8°, 83%, 99%
XYZ	43.0474, 25.3061, 4.8066
YIQ	120.9380, 118.3310, 30.6110

Conversions

Conversions Part 2

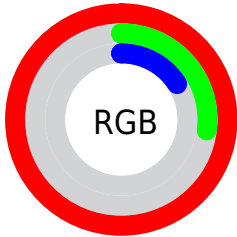
Format	Color
R_{YB}	253, 73, 42
Decimal	16598314
CIE Lab	57.37, 67.72, 55.82
CIE LCh	57, 87.758, 39.499
Yxy	25.3061, 0.5884, 0.3459
Android (android.graphics.Color)	4294788394 (0xFFFD452A)
YUV	120.9380, -38.9164, 115.8184
Hunter-Lab	50.3052, 64.7130, 29.5485

Details

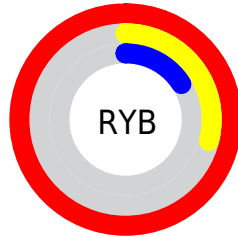
The Yxy color **25.3061, 0.5884, 0.3459** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **61.9364, 0.2181, 0.2946**, and the grayscale version is **19.2064, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.7158, 0.4941, 0.3655**, and **10.5648, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.9502, 0.6182, 0.3409**, and if you desaturate by 10%, it is **28.7870, 0.5482, 0.3486**.

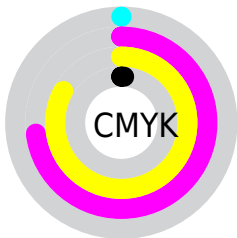
Distribution



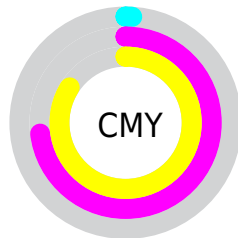
- Red (99%)
- Green (27%)
- Blue (16%)



- Red (99%)
- Yellow (29%)
- Blue (16%)



- Cyan (0%)
- Magenta (73%)
- Yellow (83%)
- Black (1%)





- Cyan (1%)
- Magenta (73%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3061, 0.5884, 0.3459 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 25.3061, 0.5884, 0.3459 by changing the saturation by 10% instead.


 25.3061, 0.5884,
0.3459


 25.3061, 0.5884,
0.3459


279.3589, 0.4450,
0.3555


 16.3053, 0.6210,
0.3362


 52.1534, 0.5376,
0.3547


 9.7404, 0.6600,
0.3202


 70.7686, 0.5179,
0.3564

 5.2272, 0.7061,
0.2939

 93.3574, 0.5010,
0.3572

 2.3812, 0.7515,
0.2485

 120.3042, 0.4866,
0.3573

 0.8162, 0.8166,
0.1834

 151.9933, 0.4740,
0.3571

 0.0000, 1.0000,
0.0000

 188.8092, 0.4631,

 0.0000, 0.0000,

0.3567

0.0000

231.1363, 0.4535,
0.3561

■ 25.3061, 0.5884,
0.3459

■ 25.3061, 0.5884,
0.3459

■ 22.9502, 0.6182,
0.3409

■ 28.7870, 0.5482,
0.3486

■ 21.9342, 0.6309,
0.3373

■ 33.5071, 0.5036,
0.3488

■ 39.5713, 0.4601,
0.3471

■ 47.0720, 0.4210,
0.3442

■ 56.0933, 0.3875,
0.3407

66.7130, 0.3596,
0.3370

79.0034, 0.3368,
0.3335

93.0323, 0.3182,
0.3301

99.6178, 0.3115,
0.3290

Harmonies

Analogous

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



25.3061, 0.5279, 0.2688



25.3061, 0.5884, 0.3459



25.3061, 0.5453, 0.4344

Triad

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



25.3061, 0.5884, 0.3459



25.3061, 0.2074, 0.5383



25.3061, 0.1491, 0.1372

Complementary

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



25.3061, 0.5884, 0.3459



61.9364, 0.2181, 0.2946

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.



25.3061, 0.1062, 0.1518



25.3061, 0.5884, 0.3459



25.3061, 0.1268, 0.3483

Square

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



25.3061, 0.5884, 0.3459



25.3061, 0.3236, 0.6097



25.3061, 0.0977, 0.2118



25.3061, 0.2386, 0.1541

Rectangle

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



25.3061, 0.5884, 0.3459



25.3061, 0.4815, 0.5030



25.3061, 0.0977, 0.2118



25.3061, 0.1304, 0.1382

Sweetspot

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



25.3076, 0.5884, 0.3459



66.0742, 0.3638, 0.3376



28.1557, 0.3467, 0.1763



13.3087, 0.3733, 0.3389



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.



25.3076, 0.5884, 0.3459



22.3306, 0.6309, 0.3372



50.5893, 0.4830, 0.4388



18.3622, 0.3291, 0.3321



11.7836, 0.6291, 0.3387



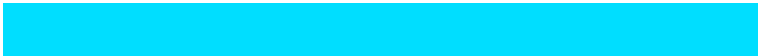
1.2590, 0.6119, 0.3523

Inverse Universe

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



61.9364, 0.2181, 0.2946



59.6271, 0.2131, 0.2871



21.7180, 0.1798, 0.1517



20.0606, 0.2980, 0.3259



31.3120, 0.2133, 0.2879



3.1549, 0.2147, 0.2930

Previews

White Background



This preview shows how the Yxy color 25.3061, 0.5884, 0.3459 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 25.3061, 0.5884, 0.3459 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 25.3061, 0.5884, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 25.3061, 0.5884, 0.3459.



This preview shows how white text looks on a background with the Yxy color 25.3061, 0.5884, 0.3459.

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

25.3061, 0.5884, 0.3459

Protanopia

25.2755, 0.4096, 0.4493

Deuteranopia

25.2783, 0.4662, 0.4587



Tritanopia

25.3846, 0.5674, 0.3284

Trichromacy



Original Color

25.3061, 0.5884, 0.3459

Protanomaly

22.8861, 0.4851, 0.4032

Deuteranomaly

23.5008, 0.5235, 0.4075

Tritanomaly

25.4009, 0.5760, 0.3351

Monochromacy



Original Color

25.3061, 0.5884, 0.3459

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.7105, 0.4246, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3061, 0.5884, 0.3459 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(253, 69, 42)` looks like.

```
.text, #text, p{  
    color:rgb(253, 69, 42)  
}
```

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(253, 69, 42) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 69, 42) }
```

Border

The CSS property to change the border of an element to Yxy 25.3061, 0.5884, 0.3459 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(253, 69, 42) }
```

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

```
.border{ border-color:rgb(253, 69, 42) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 69, 42)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 69, 42); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 69, 42);  
box-shadow:4px 4px 4px 4px rgb(253, 69,  
42) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3061, 0.5884, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 69, 42) }
```

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

```
.background{ background-color: rgb(253, 69,  
42) }
```

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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