

Converting Colors

$Y_{xy}(25.3640, 0.5725, 0.3616)$

Have a look what the booklet for
Yxy(25.3640, 0.5725, 0.3616)
contains.

Yxy(25.3578, 0.5725, 0.3617)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(25.3578, 0.5725, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	F25426
RGB	242, 84, 38
RGB Percent	95%, 33%, 15%
CMY	0.0510, 0.6705, 0.8510
CMYK	0.00, 0.65, 0.84, 0.05
HSL	14°, 89%, 55%
HSV	14°, 84%, 95%
XYZ	40.1364, 25.3578, 4.6131
YIQ	125.9980, 108.9340, 19.1900

Conversions

Conversions Part 2

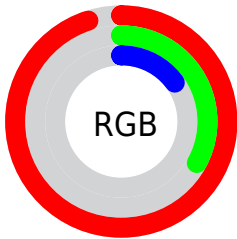
Format	Color
R_{YB}	242, 97, 38
Decimal	15881254
CIE _{Lab}	57.42, 58.64, 56.87
CIE _{LCh}	57, 81.689, 44.119
Yxy	25.3578, 0.5725, 0.3617
Android (android.graphics.Color)	4294071334 (0xFFFF25426)
YUV	125.9980, -43.3830, 101.7338
Hunter-Lab	50.3565, 54.1486, 29.8181

Details

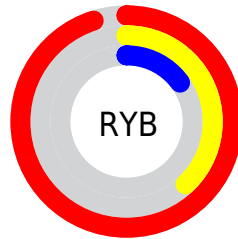
The Yxy color **25.3578, 0.5725, 0.3617** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **46.2928, 0.2103, 0.2663**, and the grayscale version is **20.9886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7207, 0.4876, 0.3790**, and **9.7480, 0.6322, 0.3362** is the 20% darker color. If you saturate the color by 10%, you get **22.7196, 0.6024, 0.3546**, and if you desaturate by 10%, it is **28.8784, 0.5348, 0.3650**.

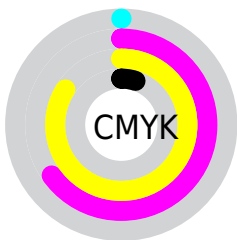
Distribution



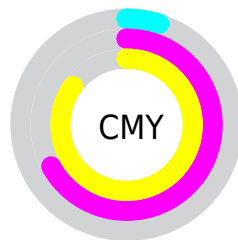
- Red (95%)
- Green (33%)
- Blue (15%)



- Red (95%)
- Yellow (38%)
- Blue (15%)



- Cyan (0%)
- Magenta (65%)
- Yellow (84%)
- Black (5%)





- Cyan (5%)
- Magenta (67%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.3578, 0.5725, 0.3617 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 25.3578, 0.5725, 0.3617 by changing the saturation by 10% instead.


 25.3578, 0.5725,
0.3617


 25.3578, 0.5725,
0.3617


279.6152, 0.4375,
0.3621


 16.3438, 0.6031,
0.3542


 52.2371, 0.5247,
0.3671

 9.7678, 0.6403,
0.3411


 70.8712, 0.5061,
0.3675


 5.2453, 0.6828,
0.3172

 93.4808, 0.4902,
0.3672

 2.3919, 0.7259,
0.2741

 120.4503, 0.4766,
0.3664

 0.8217, 0.7900,
0.2100

 152.1641, 0.4648,
0.3654

 0.0000, 1.0000,
0.0000

 189.0066, 0.4545,

 0.0000, 0.0000,

0.3644

0.0000

231.3621, 0.4455,
0.3632

■ 25.3578, 0.5725,
0.3617

■ 25.3578, 0.5725,
0.3617

■ 22.7196, 0.6024,
0.3546

■ 28.8784, 0.5348,
0.3650


■ 21.5691, 0.6153,
0.3496


■ 33.3507, 0.4941,
0.3645


■ 38.8411, 0.4544,
0.3611

■ 45.4091, 0.4183,
0.3559

■ 53.1089, 0.3869,
0.3499

 61.9915, 0.3603,
0.3435

 72.1043, 0.3381,
0.3373

 83.4923, 0.3196,
0.3314

 96.1467, 0.3048,
0.3267

Harmonies

Analogous

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



25.3578, 0.5294, 0.2850



25.3578, 0.5725, 0.3617



25.3578, 0.5240, 0.4493

Triad

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



25.3578, 0.5725, 0.3617



25.3578, 0.2007, 0.4971



25.3578, 0.1674, 0.1466

Complementary

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



25.3578, 0.5725, 0.3617



46.2928, 0.2103, 0.2663

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.



25.3578, 0.1193, 0.1563



25.3578, 0.5725, 0.3617



25.3578, 0.1297, 0.3238

Square

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



25.3578, 0.5725, 0.3617



25.3578, 0.3099, 0.5907



25.3578, 0.1065, 0.2071



25.3578, 0.2613, 0.1675

Rectangle

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



25.3578, 0.5725, 0.3617



25.3578, 0.4613, 0.5134



25.3578, 0.1065, 0.2071



25.3578, 0.1469, 0.1462

Sweetspot

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



25.3593, 0.5725, 0.3617



68.9973, 0.3622, 0.3440



24.3302, 0.3729, 0.1911



13.9886, 0.3712, 0.3462



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.



25.3593, 0.5725, 0.3617



24.2380, 0.6158, 0.3493



53.3782, 0.4636, 0.4570



16.3371, 0.3288, 0.3344



11.7557, 0.6127, 0.3517



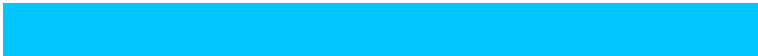
1.1227, 0.5877, 0.3715

Inverse Universe

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



46.2928, 0.2103, 0.2663



47.3707, 0.2036, 0.2530



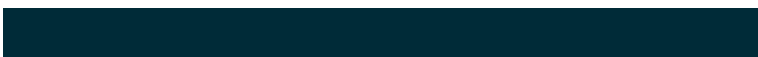
15.1519, 0.1721, 0.1242



17.2889, 0.2981, 0.3235



22.8451, 0.2041, 0.2546



2.0468, 0.2071, 0.2655

Previews

White Background



This preview shows how the Yxy color 25.3578, 0.5725, 0.3617 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 25.3578, 0.5725, 0.3617 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 25.3578, 0.5725, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 25.3578, 0.5725, 0.3617.



This preview shows how white text looks on a background with the Yxy color 25.3578, 0.5725, 0.3617.

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

25.3578, 0.5725, 0.3617

Protanopia

25.5832, 0.4159, 0.4591

Deuteranopia

25.3840, 0.4682, 0.4590



Tritanopia

25.2712, 0.5333, 0.3262

Trichromacy



Original Color

25.3578, 0.5725, 0.3617

Protanomaly

23.8380, 0.4796, 0.4179

Deuteranomaly

24.2427, 0.5131, 0.4183

Tritanomaly

25.3448, 0.5506, 0.3411

Monochromacy



Original Color

25.3578, 0.5725, 0.3617

Achromatopsia

20.8637, 0.3127, 0.3290

Achromatomaly

20.5019, 0.4138, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.3578, 0.5725, 0.3617 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(242, 84, 38)` looks like.

```
.text, #text, p{  
  color:rgb(242, 84, 38)  
}
```

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(242, 84, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 84, 38) }
```

Border

The CSS property to change the border of an element to Yxy 25.3578, 0.5725, 0.3617 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(242, 84, 38) }
```

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

```
.border{ border-color:rgb(242, 84, 38) }
```

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

Here you see how a box with a 4 pixel rgb(242, 84, 38) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 84, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 84, 38);  
box-shadow:4px 4px 4px 4px rgb(242, 84,  
38) }
```


Background

The CSS property to change the background color of an element to Yxy 25.3578, 0.5725, 0.3617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 84, 38) }
```

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

```
.background{ background-color: rgb(242, 84,  
38) }
```

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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