

Converting Colors

$Y_{xy}(25.6894, 0.6036, 0.3566)$

Have a look what the booklet for
Yxy(25.6894, 0.6036, 0.3566)
contains.

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Color

Yxy(25.6557, 0.6038, 0.3564)

Conversions

Conversions Part 1

Format	Color
Hex	FF4607
RGB	255, 70, 7
RGB Percent	100%, 27%, 3%
CMY	0.0001, 0.7254, 0.9721
CMYK	0.00, 0.73, 0.97, 0.00
HSL	15°, 100%, 51%
HSV	15°, 97%, 100%
XYZ	43.4650, 25.6557, 2.8650
YIQ	118.1330, 130.4830, 19.6270

Conversions

Conversions Part 2

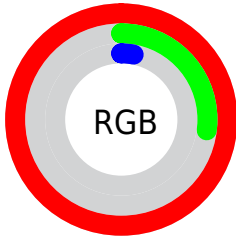
Format	Color
R_{YB}	255, 91, 7
Decimal	16729607
CIE _{Lab}	57.71, 67.51, 67.60
CIE _{LCh}	58, 95.532, 45.039
Yxy	25.6557, 0.6038, 0.3564
Android (android.graphics.Color)	4294919687 (0xFFFF4607)
YUV	118.1330, -54.7886, 120.0324
Hunter-Lab	50.6515, 64.5341, 32.1024

Details

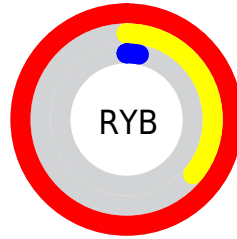
The Yxy color **25.6557, 0.6038, 0.3564** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **44.9870, 0.2018, 0.2454**, and the grayscale version is **18.3137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.6305, 0.5137, 0.3848**, and **10.8188, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.0073, 0.6100, 0.3539**, and if you desaturate by 10%, it is **28.5193, 0.5769, 0.3650**.

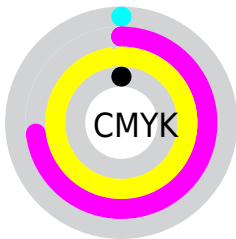
Distribution



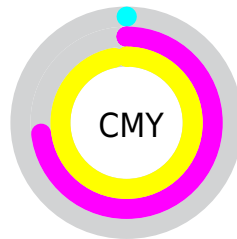
- Red (100%)
- Green (27%)
- Blue (3%)



- Red (100%)
- Yellow (36%)
- Blue (3%)



- Cyan (0%)
- Magenta (73%)
- Yellow (97%)
- Black (0%)




- Cyan (0%)
- Magenta (73%)
- Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6557, 0.6038, 0.3564 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 25.6557, 0.6038, 0.3564 by changing the saturation by 10% instead.


 25.6557, 0.6038,
0.3564


 25.6557, 0.6038,
0.3564


281.0878, 0.4581,
0.3664


 16.5662, 0.6338,
0.3449


 52.7190, 0.5545,
0.3669


 9.9257, 0.6719,
0.3281


 71.4616, 0.5346,
0.3688


 5.3497, 0.7043,
0.2957

 94.1907, 0.5173,
0.3695

 2.4539, 0.7491,
0.2509

 121.2908, 0.5022,
0.3695

 0.8534, 0.8132,
0.1868

 153.1461, 0.4891,
0.3691

 0.0000, 1.0000,
0.0000


 190.1411, 0.4775,


 0.0000, 0.0000,

0.3683


0.0000

 232.6602, 0.4672,
0.3674

 25.6557, 0.6038,
0.3564


 25.6557, 0.6038,
0.3564

 25.0073, 0.6100,
0.3539

 28.5193, 0.5769,
0.3650

 32.3065, 0.5418,
0.3695

 37.0978, 0.5026,
0.3698

 42.9624, 0.4634,
0.3666

 49.9626, 0.4270,
0.3612

■ 58.1558, 0.3948,
0.3545

■ 67.5955, 0.3673,
0.3474

■ 78.3315, 0.3441,
0.3403

■ 90.4113, 0.3247,
0.3336

Harmonies

Analogous

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



25.6557, 0.5657, 0.2770



25.6557, 0.6038, 0.3564



25.6557, 0.5384, 0.4527

Triad

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



25.6557, 0.6038, 0.3564



25.6557, 0.1778, 0.5237



25.6557, 0.1529, 0.1284

Complementary

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



25.6557, 0.6038, 0.3564



44.9870, 0.2018, 0.2454

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.



25.6557, 0.1015, 0.1361



25.6557, 0.6038, 0.3564



25.6557, 0.1062, 0.3127

Square

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



25.6557, 0.6038, 0.3564



25.6557, 0.2943, 0.6346



25.6557, 0.0863, 0.1859



25.6557, 0.2567, 0.1514

Rectangle

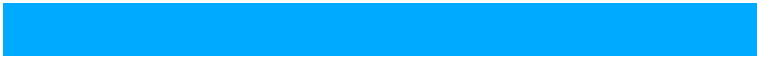
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



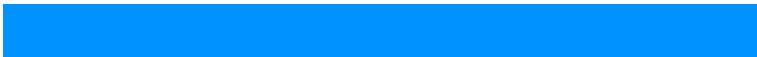
25.6557, 0.6038, 0.3564



25.6557, 0.4643, 0.5294



25.6557, 0.0863, 0.1859



25.6557, 0.1309, 0.1274

Sweetspot

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



25.6573, 0.6038, 0.3564



65.8255, 0.3719, 0.3487



25.2621, 0.3953, 0.1961



13.2149, 0.3834, 0.3517



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.



25.6573, 0.6038, 0.3564



25.0107, 0.6100, 0.3539



59.4187, 0.4705, 0.4633



18.7364, 0.3288, 0.3351



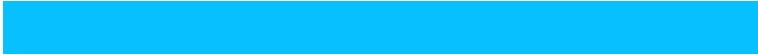
13.2684, 0.6072, 0.3561



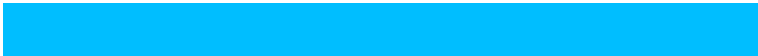
1.4577, 0.5855, 0.3733

Inverse Universe

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



44.9870, 0.2018, 0.2454



44.1599, 0.2008, 0.2428



11.5300, 0.1589, 0.0904



19.6546, 0.2980, 0.3228



23.3262, 0.2012, 0.2444



2.4458, 0.2042, 0.2552

Previews

White Background



This preview shows how the Yxy color 25.6557, 0.6038, 0.3564 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 25.6557, 0.6038, 0.3564 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 25.6557, 0.6038, 0.3564

Background



This preview shows how black text looks on a background with the Yxy color 25.6557, 0.6038, 0.3564.



This preview shows how white text looks on a background with the Yxy color 25.6557, 0.6038, 0.3564.

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

25.6557, 0.6038, 0.3564

Protanopia

25.6269, 0.4311, 0.4767

Deuteranopia

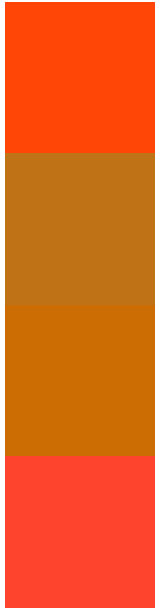
25.6165, 0.4704, 0.4647



Tritanopia

25.7040, 0.5662, 0.3284

Trichromacy



Original Color

25.6557, 0.6038, 0.3564

Protanomaly

23.2990, 0.5074, 0.4237

Deuteranomaly

23.7812, 0.5308, 0.4154

Tritanomaly

25.5915, 0.5871, 0.3430

Monochromacy



Original Color

25.6557, 0.6038, 0.3564

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1823, 0.4444, 0.3643

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6557, 0.6038, 0.3564 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, 70, 7)` looks like.

```
.text, #text, p{  
    color:rgb(255, 70, 7)  
}
```

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, 70, 7) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 70, 7) }
```

Border

The CSS property to change the border of an element to Yxy 25.6557, 0.6038, 0.3564 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, 70, 7) }
```

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

```
.border{ border-color:rgb(255, 70, 7) }
```

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

Here you see how a box with a 4 pixel rgb(255, 70, 7) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 70, 7); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 70, 7);  
box-shadow:4px 4px 4px 4px rgb(255, 70, 7)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.6557, 0.6038, 0.3564 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 70, 7) }
```

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

```
.background{ background-color: rgb(255, 70,  
7) }
```

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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