

Converting Colors

$Y_{xy}(25.2554, 0.6080, 0.3552)$

Have a look what the booklet for
Yxy(25.2554, 0.6080, 0.3552)
contains.

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Color

Yxy(25.2765, 0.6078, 0.3552)

Conversions

Conversions Part 1

Format	Color
Hex	FF4301
RGB	255, 67, 1
RGB Percent	100%, 26%, 0%
CMY	0.0000, 0.7372, 0.9954
CMYK	0.00, 0.74, 1.00, 0.00
HSL	16°, 100%, 50%
HSV	16°, 100%, 100%
XYZ	43.2518, 25.2765, 2.6330
YIQ	115.6880, 133.2340, 19.3300

Conversions

Conversions Part 2

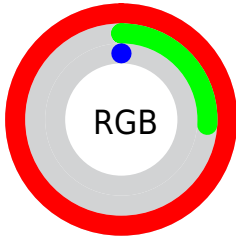
Format	Color
R_{YB}	255, 90, 1
Decimal	16728833
CIE _{Lab}	57.34, 68.45, 68.62
CIE _{LCh}	57, 96.921, 45.072
Yxy	25.2765, 0.6078, 0.3552
Android (android.graphics.Color)	4294918913 (0xFFFF4301)
YUV	115.6880, -56.5412, 122.1766
Hunter-Lab	50.2757, 65.5797, 32.0880

Details

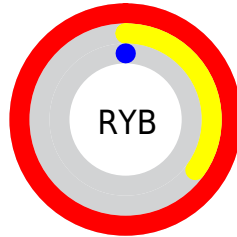
The Yxy color **25.2765, 0.6078, 0.3552** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark saturated red. A complement of this color would be **43.6877, 0.2004, 0.2412**, and the grayscale version is **17.5195, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.8089, 0.5188, 0.3838**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **25.1724, 0.6088, 0.3548**, and if you desaturate by 10%, it is **27.9768, 0.5828, 0.3643**.

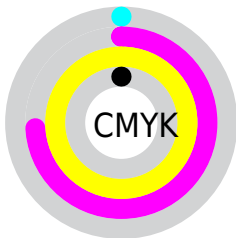
Distribution



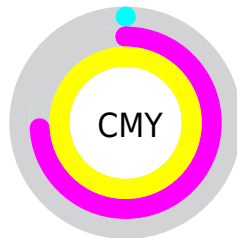
- Red (100%)
- Green (26%)
- Blue (0%)



- Red (100%)
- Yellow (35%)
- Blue (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (100%)
- Black (0%)



- Cyan (0%)
- Magenta (74%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2765, 0.6078, 0.3552 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 25.2765, 0.6078, 0.3552 by changing the saturation by 10% instead.


 25.2765, 0.6078,
0.3552

 25.2765, 0.6078,
0.3552


279.2121, 0.4605,
0.3668

 16.2832, 0.6378,
0.3430


 52.1054, 0.5581,
0.3665


 9.7248, 0.6750,
0.3250


 70.7098, 0.5380,
0.3687

 5.2168, 0.7080,
0.2920

 93.2867, 0.5205,
0.3695

 2.3751, 0.7536,
0.2464

 120.2205, 0.5053,
0.3697

 0.8130, 0.8188,
0.1812

 151.8955, 0.4919,
0.3693


 0.0000, 1.0000,
0.0000

 188.6962, 0.4801,


 0.0000, 0.0000,


0.3686


0.0000

 231.0069, 0.4697,
0.3677


 25.2765, 0.6078,
0.3552

 25.2765, 0.6078,
0.3552


 25.1724, 0.6088,
0.3548

 27.9768, 0.5828,
0.3643

 31.5686, 0.5494,
0.3699

 36.1379, 0.5109,
0.3710

 41.7542, 0.4717,
0.3684

 48.4800, 0.4347,
0.3633

■ 56.3727, 0.4017,
0.3567

■ 65.4854, 0.3732,
0.3495

■ 75.8680, 0.3490,
0.3422

■ 87.5675, 0.3288,
0.3353

Harmonies

Analogous

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



25.2765, 0.5703, 0.2756



25.2765, 0.6078, 0.3552



25.2765, 0.5406, 0.4528

Triad

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



25.2765, 0.6078, 0.3552



25.2765, 0.1749, 0.5279



25.2765, 0.1508, 0.1261

Complementary

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



25.2765, 0.6078, 0.3552



43.6877, 0.2004, 0.2412

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.



25.2765, 0.0992, 0.1336



25.2765, 0.6078, 0.3552



25.2765, 0.1033, 0.3115

Square

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



25.2765, 0.6078, 0.3552



25.2765, 0.2922, 0.6405



25.2765, 0.0838, 0.1833



25.2765, 0.2557, 0.1493

Rectangle

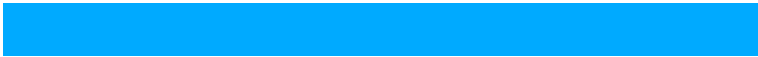
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



25.2765, 0.6078, 0.3552



25.2765, 0.4651, 0.5314



25.2765, 0.0838, 0.1833



25.2765, 0.1287, 0.1250

Sweetspot

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



25.2780, 0.6078, 0.3552



65.0404, 0.3744, 0.3499



25.0697, 0.3976, 0.1965



13.0716, 0.3859, 0.3529



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.



25.2780, 0.6078, 0.3552



25.1739, 0.6088, 0.3548



58.7588, 0.4725, 0.4628



18.7530, 0.3288, 0.3352



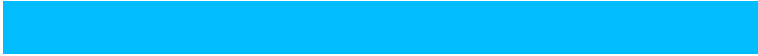
13.3570, 0.6060, 0.3570



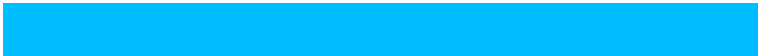
1.4683, 0.5842, 0.3743

Inverse Universe

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



43.6877, 0.2004, 0.2412



43.5511, 0.2002, 0.2408



10.9657, 0.1575, 0.0866



19.6369, 0.2980, 0.3227



23.0111, 0.2007, 0.2424



2.4174, 0.2037, 0.2534

Previews

White Background



This preview shows how the Yxy color 25.2765, 0.6078, 0.3552 looks on a white background.

Color Contrast Check

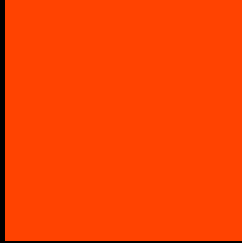
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.2765, 0.6078, 0.3552 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 25.2765, 0.6078, 0.3552

Background



This preview shows how black text looks on a background with the Yxy color 25.2765, 0.6078, 0.3552.



This preview shows how white text looks on a background with the Yxy color 25.2765, 0.6078, 0.3552.

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

25.2765, 0.6078, 0.3552

Protanopia

25.2342, 0.4316, 0.4771

Deuteranopia

25.2313, 0.4707, 0.4644



Tritanopia

25.3201, 0.5715, 0.3284

Trichromacy



Original Color

25.2765, 0.6078, 0.3552

Protanomaly

22.7117, 0.5105, 0.4232

Deuteranomaly

23.4216, 0.5322, 0.4156

Tritanomaly

25.2078, 0.5924, 0.3429

Monochromacy



Original Color

25.2765, 0.6078, 0.3552

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.4453, 0.4516, 0.3658

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2765, 0.6078, 0.3552 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, 67, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 67, 1)  
}
```

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, 67, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 67, 1) }
```

Border

The CSS property to change the border of an element to Yxy 25.2765, 0.6078, 0.3552 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, 67, 1) }
```

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

```
.border{ border-color:rgb(255, 67, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 67, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 67, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 67, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 67, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 25.2765, 0.6078, 0.3552 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 67, 1) }
```

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

```
.background{ background-color: rgb(255, 67,  
1) }
```

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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