

Converting Colors

$Y_{xy}(24.2943, 0.6106, 0.3525)$

Have a look what the booklet for
Yxy(24.2943, 0.6106, 0.3525)
contains.

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Color

Yxy(24.2570, 0.6100, 0.3528)

Conversions

Conversions Part 1

Format	Color
Hex	FC3F03
RGB	252, 63, 3
RGB Percent	99%, 25%, 1%
CMY	0.0117, 0.7529, 0.9882
CMYK	0.00, 0.75, 0.99, 0.01
HSL	14°, 98%, 50%
HSV	14°, 99%, 99%
XYZ	41.9410, 24.2570, 2.5577
YIQ	112.6710, 131.9040, 21.4080

Conversions

Conversions Part 2

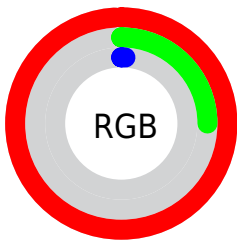
Format	Color
R_{YB}	252, 82, 3
Decimal	16531203
CIE Lab	56.34, 68.83, 67.45
CIE LCh	56, 96.372, 44.420
Yxy	24.2570, 0.6100, 0.3528
Android (android.graphics.Color)	4294721283 (0xFFFC3F03)
YUV	112.6710, -54.0678, 122.1915
Hunter-Lab	49.2514, 65.8151, 31.3969

Details

The Yxy color **24.2570, 0.6100, 0.3528** 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 **44.7518, 0.2025, 0.2486**, and the grayscale version is **16.5454, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0455, 0.5218, 0.3809**, and **10.3143, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **24.0045, 0.6126, 0.3518**, and if you desaturate by 10%, it is **26.8358, 0.5845, 0.3615**.

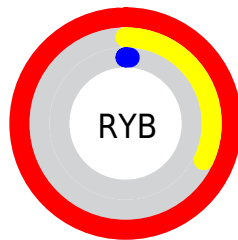
Distribution



Red (99%)

Green (25%)

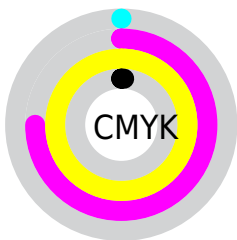
Blue (1%)



Red (99%)

Yellow (32%)

Blue (1%)

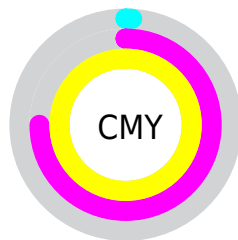


Cyan (0%)

Magenta (75%)

Yellow (99%)

Black (1%)



Cyan (1%)


Magenta (75%)


Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 24.2570, 0.6100, 0.3528 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 24.2570, 0.6100, 0.3528 by changing the saturation by 10% instead.


 24.2570, 0.6100,
0.3528


 24.2570, 0.6100,
0.3528


274.1172, 0.4604,
0.3656


 15.5244, 0.6408,
0.3401


 50.4493, 0.5593,
0.3647


 9.1882, 0.6787,
0.3213


 68.6777, 0.5389,
0.3670

 4.8642, 0.7128,
0.2872

 90.8402, 0.5211,
0.3680

 2.1678, 0.7601,
0.2399

 117.3211, 0.5056,
0.3682

 0.7023, 0.8298,
0.1702

 148.5049, 0.4921,
0.3679


 0.0000, 1.0000,
0.0000

 184.7759, 0.4802,


 0.0000, 0.0000,

0.3673


0.0000


 226.5185, 0.4697,
0.3665

 24.2570, 0.6100,
0.3528

 24.2570, 0.6100,
0.3528


 24.0045, 0.6126,
0.3518

 26.8358, 0.5845,
0.3615

 30.3152, 0.5502,
0.3667

 34.7818, 0.5108,
0.3678

 40.3072, 0.4708,
0.3653

 46.9560, 0.4333,
0.3605

■ 54.7873, 0.4001,
0.3543

■ 63.8558, 0.3716,
0.3476

■ 74.2129, 0.3476,
0.3408

■ 85.9069, 0.3275,
0.3344

Harmonies

Analogous

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



24.2570, 0.5699, 0.2733



24.2570, 0.6100, 0.3528



24.2570, 0.5439, 0.4505

Triad

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



24.2570, 0.6100, 0.3528



24.2570, 0.1760, 0.5344



24.2570, 0.1483, 0.1249

Complementary

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



24.2570, 0.6100, 0.3528



44.7518, 0.2025, 0.2486

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.



24.2570, 0.0976, 0.1331



24.2570, 0.6100, 0.3528



24.2570, 0.1030, 0.3152

Square

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



24.2570, 0.6100, 0.3528



24.2570, 0.2941, 0.6429



24.2570, 0.0828, 0.1841



24.2570, 0.2523, 0.1475

Rectangle

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



24.2570, 0.6100, 0.3528



24.2570, 0.4685, 0.5299



24.2570, 0.0828, 0.1841



24.2570, 0.1265, 0.1240

Sweetspot

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



24.2585, 0.6100, 0.3528



64.3964, 0.3748, 0.3484



24.6528, 0.3909, 0.1931



12.9227, 0.3865, 0.3513



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.



24.2585, 0.6100, 0.3528



24.6449, 0.6127, 0.3517



55.6555, 0.4760, 0.4596



17.9042, 0.3288, 0.3348



12.6931, 0.6098, 0.3540



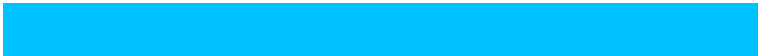
1.3330, 0.5872, 0.3720

Inverse Universe

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



44.7518, 0.2025, 0.2486



45.6071, 0.2021, 0.2475



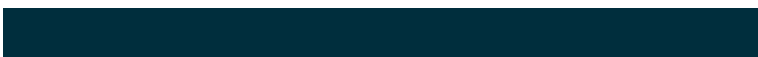
11.3543, 0.1589, 0.0913



18.8582, 0.2980, 0.3231



23.3760, 0.2025, 0.2490



2.3287, 0.2055, 0.2597

Previews

White Background



This preview shows how the Yxy color 24.2570, 0.6100, 0.3528 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 24.2570, 0.6100, 0.3528 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 24.2570, 0.6100, 0.3528

Background



This preview shows how black text looks on a background with the Yxy color 24.2570, 0.6100, 0.3528.



This preview shows how white text looks on a background with the Yxy color 24.2570, 0.6100, 0.3528.

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

24.2570, 0.6100, 0.3528

Protanopia

24.3724, 0.4304, 0.4774

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.3368, 0.5801, 0.3292

Trichromacy



Original Color

24.2570, 0.6100, 0.3528

Protanomaly

21.6792, 0.5116, 0.4212

Deuteranomaly

22.3847, 0.5339, 0.4139

Tritanomaly

24.2608, 0.5975, 0.3412

Monochromacy



Original Color

24.2570, 0.6100, 0.3528

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.5580, 0.4521, 0.3633

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2570, 0.6100, 0.3528 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(252, 63, 3)` looks like.

```
.text, #text, p{  
    color:rgb(252, 63, 3)  
}
```

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(252, 63, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 63, 3) }
```

Border

The CSS property to change the border of an element to Yxy 24.2570, 0.6100, 0.3528 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(252, 63, 3) }
```

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

```
.border{ border-color:rgb(252, 63, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 63, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 63, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 63, 3);  
box-shadow:4px 4px 4px 4px rgb(252, 63, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2570, 0.6100, 0.3528 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 63, 3) }
```

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

```
.background{ background-color: rgb(252, 63,  
3) }
```

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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