

Converting Colors

$Y_{xy}(24.2520, 0.5924, 0.3678)$

Have a look what the booklet for
Yxy(24.2520, 0.5924, 0.3678)
contains.

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Color

Yxy(24.2927, 0.5920, 0.3681)

Conversions

Conversions Part 1

Format	Color
Hex	F14F00
RGB	241, 79, 0
RGB Percent	95%, 31%, 0%
CMY	0.0550, 0.6901, 0.9995
CMYK	0.00, 0.67, 1.00, 0.05
HSL	20°, 100%, 47%
HSV	20°, 100%, 95%
XYZ	39.0689, 24.2927, 2.6332
YIQ	118.4320, 121.9110, 9.7750

Conversions

Conversions Part 2

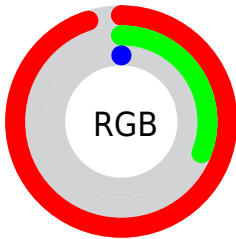
Format	Color
R_{YB}	241, 118, 0
Decimal	15814400
CIE _{Lab}	56.38, 59.78, 66.96
CIE _{LCh}	56, 89.761, 48.239
Yxy	24.2927, 0.5920, 0.3681
Android (android.graphics.Color)	4294004480 (0xFFFF14F00)
YUV	118.4320, -58.3870, 107.4921
Hunter-Lab	49.2876, 55.2387, 31.3338

Details

The Yxy color **24.2927, 0.5920, 0.3681** is a dark color, and the websafe version is hex **FF6600**. The color can be described as dark saturated red. A complement of this color would be **32.2214, 0.1934, 0.2163**, and the grayscale version is **18.4255, 0.3127, 0.3290**.

A 20% lighter version of the original color is **38.9581, 0.5110, 0.3916**, and **9.3169, 0.6383, 0.3314** is the 20% darker color. If you saturate the color by 10%, you get **24.2820, 0.5921, 0.3681**, and if you desaturate by 10%, it is **26.9910, 0.5672, 0.3775**.

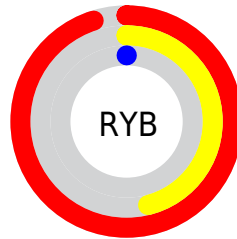
Distribution



Red (95%)

Green (31%)

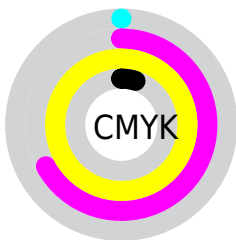
Blue (0%)



Red (95%)

Yellow (46%)

Blue (0%)

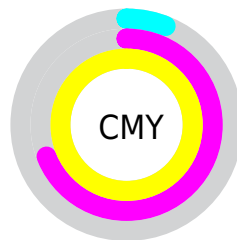


Cyan (0%)

Magenta (67%)

Yellow (100%)

Black (5%)



Cyan (6%)

Magenta (69%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 24.2927, 0.5920, 0.3681 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 24.2927, 0.5920, 0.3681 by changing the saturation by 10% instead.


 24.2927, 0.5920,
0.3681

 24.2927, 0.5920,
0.3681


274.2969, 0.4510,
0.3711


 15.5509, 0.6212,
0.3579


 50.5074, 0.5440,
0.3762

 9.2069, 0.6579,
0.3421


 68.7491, 0.5247,
0.3771

 4.8764, 0.6897,
0.3103

 90.9262, 0.5080,
0.3770

 2.1749, 0.7347,
0.2653

 117.4232, 0.4935,
0.3762

 0.7063, 0.8042,
0.1958

 148.6243, 0.4808,
0.3751

 0.0000, 1.0000,
0.0000

 184.9141, 0.4696,

 0.0000, 0.0000,


0.3738


0.0000


 226.6768, 0.4597,
0.3725


 24.2927, 0.5920,
0.3681

 24.2927, 0.5920,
0.3681

 24.2820, 0.5921,
0.3681

 26.9910, 0.5672,
0.3775

 30.3781, 0.5360,
0.3827

 34.5158, 0.5007,
0.3830

 39.4512, 0.4647,
0.3791

 45.2272, 0.4305,
0.3724

■ 51.8832, 0.3995,
0.3641

■ 59.4556, 0.3724,
0.3551

■ 67.9790, 0.3491,
0.3460

■ 77.4859, 0.3294,
0.3372

Harmonies

Analogous

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



24.2927, 0.5656, 0.2883



24.2927, 0.5920, 0.3681



24.2927, 0.5234, 0.4641

Triad

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



24.2927, 0.5920, 0.3681



24.2927, 0.1736, 0.4929



24.2927, 0.1658, 0.1347

Complementary

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



24.2927, 0.5920, 0.3681



32.2214, 0.1934, 0.2163

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.



24.2927, 0.1104, 0.1392



24.2927, 0.5920, 0.3681



24.2927, 0.1084, 0.2970

Square

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



24.2927, 0.5920, 0.3681



24.2927, 0.2852, 0.6194



24.2927, 0.0921, 0.1834



24.2927, 0.2735, 0.1606

Rectangle

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



24.2927, 0.5920, 0.3681



24.2927, 0.4499, 0.5371



24.2927, 0.0921, 0.1834



24.2927, 0.1424, 0.1327

Sweetspot

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



24.2941, 0.5920, 0.3681



67.4712, 0.3728, 0.3552



21.4072, 0.4229, 0.2104



13.6359, 0.3838, 0.3590



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.



24.2941, 0.5920, 0.3681



27.5283, 0.5926, 0.3676



58.5532, 0.4565, 0.4757



16.6045, 0.3285, 0.3368



13.3878, 0.5892, 0.3704



1.2886, 0.5636, 0.3907

Inverse Universe

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



32.2214, 0.1934, 0.2163



36.5228, 0.1933, 0.2159



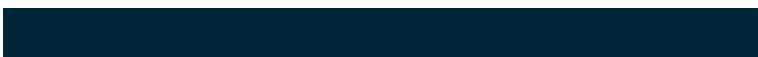
8.1732, 0.1542, 0.0751



17.0054, 0.2981, 0.3211



17.7234, 0.1940, 0.2183



1.6551, 0.1985, 0.2346

Previews

White Background



This preview shows how the Yxy color 24.2927, 0.5920, 0.3681 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 24.2927, 0.5920, 0.3681 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 24.2927, 0.5920, 0.3681

Background



This preview shows how black text looks on a background with the Yxy color 24.2927, 0.5920, 0.3681.



This preview shows how white text looks on a background with the Yxy color 24.2927, 0.5920, 0.3681.

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

24.2927, 0.5920, 0.3681

Protanopia

24.4552, 0.4329, 0.4784

Deuteranopia

24.3584, 0.4703, 0.4648



Tritanopia

24.3106, 0.5438, 0.3272

Trichromacy



Original Color

24.2927, 0.5920, 0.3681

Protanomaly

22.6162, 0.5011, 0.4319

Deuteranomaly

23.1046, 0.5219, 0.4238

Tritanomaly

24.2679, 0.5719, 0.3491

Monochromacy



Original Color

24.2927, 0.5920, 0.3681

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.1952, 0.4391, 0.3747

CSS Examples

Text

The CSS property to change the color of the text to Yxy 24.2927, 0.5920, 0.3681 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(241, 79, 0)` looks like.

```
.text, #text, p{  
    color:rgb(241, 79, 0)  
}
```

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(241, 79, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 79, 0) }
```

Border

The CSS property to change the border of an element to Yxy 24.2927, 0.5920, 0.3681 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(241, 79, 0) }
```

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

```
.border{ border-color:rgb(241, 79, 0) }
```

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

Here you see how a box with a 4 pixel rgb(241, 79, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 79, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 79, 0);  
box-shadow:4px 4px 4px 4px rgb(241, 79, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 24.2927, 0.5920, 0.3681 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 79, 0) }
```

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

```
.background{ background-color: rgb(241, 79,  
0) }
```

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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