

Converting Colors

$Y_{xy}(23.3119, 0.6121, 0.3522)$

Have a look what the booklet for
Yxy(23.3119, 0.6121, 0.3522)
contains.

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Color

Yxy(23.1882, 0.6123, 0.3521)

Conversions

Conversions Part 1

Format	Color
Hex	F83C00
RGB	248, 60, 0
RGB Percent	97%, 24%, 0%
CMY	0.0275, 0.7646, 1.0000
CMYK	0.00, 0.76, 1.00, 0.03
HSL	15°, 100%, 49%
HSV	15°, 100%, 97%
XYZ	40.3242, 23.1882, 2.3445
YIQ	109.3720, 131.3080, 21.1960

Conversions

Conversions Part 2

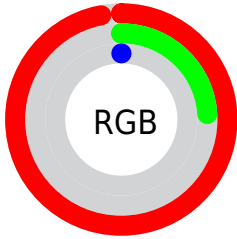
Format	Color
R_{YB}	248, 79, 0
Decimal	16268288
CIE Lab	55.27, 68.52, 67.23
CIE LCh	55, 95.998, 44.454
Yxy	23.1882, 0.6123, 0.3521
Android (android.graphics.Color)	4294458368 (0xFFFF83C00)
YUV	109.3720, -53.9204, 121.5768
Hunter-Lab	48.1541, 65.2058, 30.8212

Details

The Yxy color **23.1882, 0.6123, 0.3521** 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 **42.7245, 0.2020, 0.2472**, and the grayscale version is **15.5376, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.2825, 0.5262, 0.3793**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.1901, 0.6122, 0.3521**, and if you desaturate by 10%, it is **25.5915, 0.5876, 0.3609**.

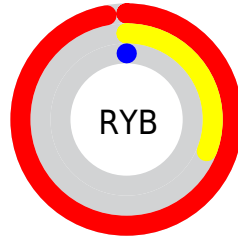
Distribution



Red (97%)

Green (24%)

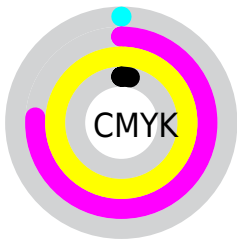
Blue (0%)



Red (97%)

Yellow (31%)

Blue (0%)

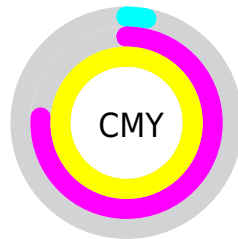


Cyan (0%)

Magenta (76%)

Yellow (100%)

Black (3%)



Cyan (3%)


Magenta (76%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1882, 0.6123, 0.3521 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 23.1882, 0.6123, 0.3521 by changing the saturation by 10% instead.


 23.1882, 0.6123,
0.3521


 23.1882, 0.6123,
0.3521

268.6902, 0.4608,
0.3657


 14.7325, 0.6437,
0.3389


 48.7022, 0.5609,
0.3645


 8.6319, 0.6812,
0.3188


 66.5293, 0.5402,
0.3669


 4.5019, 0.7164,
0.2836

 88.2489, 0.5222,
0.3680

 1.9581, 0.7654,
0.2346

 114.2456, 0.5065,
0.3683

 0.5829, 0.8428,
0.1572

 144.9037, 0.4928,
0.3680


 0.0000, 1.0000,
0.0000


 180.6075, 0.4808,


 0.0000, 0.0000,


0.3674


0.0000

 221.7416, 0.4702,
0.3666

 23.1882, 0.6123,
0.3521


 23.1882, 0.6123,
0.3521


 23.1901, 0.6122,
0.3521

 25.5915, 0.5876,
0.3609

 28.8471, 0.5541,
0.3666

 33.0427, 0.5151,
0.3680

 38.2479, 0.4751,
0.3659

 44.5252, 0.4374,
0.3613

■ 51.9317, 0.4037,
0.3552

■ 60.5204, 0.3747,
0.3485

■ 70.3408, 0.3502,
0.3417

■ 81.4395, 0.3297,
0.3351

Harmonies

Analogous

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



23.1882, 0.5726, 0.2726



23.1882, 0.6123, 0.3521



23.1882, 0.5454, 0.4508

Triad

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



23.1882, 0.6123, 0.3521



23.1882, 0.1742, 0.5369



23.1882, 0.1471, 0.1236

Complementary

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



23.1882, 0.6123, 0.3521



42.7245, 0.2020, 0.2472

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.



23.1882, 0.0963, 0.1317



23.1882, 0.6123, 0.3521



23.1882, 0.1014, 0.3144

Square

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



23.1882, 0.6123, 0.3521



23.1882, 0.2928, 0.6463



23.1882, 0.0814, 0.1825



23.1882, 0.2518, 0.1463

Rectangle

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



23.1882, 0.6123, 0.3521



23.1882, 0.4689, 0.5311



23.1882, 0.0814, 0.1825



23.1882, 0.1253, 0.1227

Sweetspot

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



23.1901, 0.6122, 0.3521



64.4358, 0.3748, 0.3485



23.6780, 0.3919, 0.1933



12.9318, 0.3865, 0.3514



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.



23.1901, 0.6122, 0.3521



24.6761, 0.6125, 0.3519



53.3533, 0.4771, 0.4594



17.9074, 0.3288, 0.3348



12.7097, 0.6096, 0.3542



1.3349, 0.5869, 0.3722

Inverse Universe

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



42.7245, 0.2020, 0.2472



45.4789, 0.2020, 0.2471



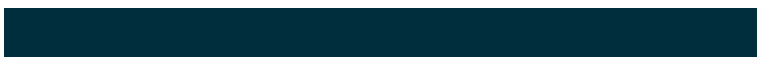
10.6885, 0.1582, 0.0895



18.8548, 0.2980, 0.3231



23.3117, 0.2024, 0.2486



2.3232, 0.2054, 0.2594

Previews

White Background



This preview shows how the Yxy color 23.1882, 0.6123, 0.3521 looks on a white background.

Color Contrast Check

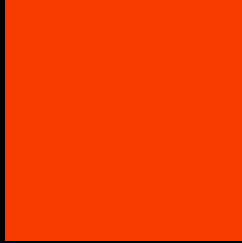
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.1882, 0.6123, 0.3521 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 23.1882, 0.6123, 0.3521

Background



This preview shows how black text looks on a background with the Yxy color 23.1882, 0.6123, 0.3521.



This preview shows how white text looks on a background with the Yxy color 23.1882, 0.6123, 0.3521.

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

23.1882, 0.6123, 0.3521

Protanopia

23.2533, 0.4304, 0.4765

Deuteranopia

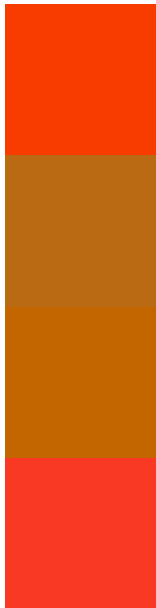
23.1372, 0.4701, 0.4649



Tritanopia

23.2635, 0.5833, 0.3292

Trichromacy



Original Color

23.1882, 0.6123, 0.3521

Protanomaly

20.6660, 0.5140, 0.4203

Deuteranomaly

21.2385, 0.5353, 0.4132

Tritanomaly

23.1934, 0.6004, 0.3409

Monochromacy



Original Color

23.1882, 0.6123, 0.3521

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.3854, 0.4568, 0.3639

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1882, 0.6123, 0.3521 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(248, 60, 0)` looks like.

```
.text, #text, p{  
  color:rgb(248, 60, 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(248, 60, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 60, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1882, 0.6123, 0.3521 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(248, 60, 0) }
```

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

```
.border{ border-color:rgb(248, 60, 0) }
```

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

Here you see how a box with a 4 pixel rgb(248, 60, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 60, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 60, 0);  
box-shadow:4px 4px 4px 4px rgb(248, 60, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1882, 0.6123, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 60, 0) }
```

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

```
.background{ background-color: rgb(248, 60,  
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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