

Converting Colors

$Y_{xy}(23.9130, 0.6098, 0.3540)$

Have a look what the booklet for
Yxy(23.9130, 0.6098, 0.3540)
contains.

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Color

Yxy(23.8790, 0.6102, 0.3537)

Conversions

Conversions Part 1

Format	Color
Hex	FA3F00
RGB	250, 63, 0
RGB Percent	98%, 25%, 0%
CMY	0.0197, 0.7527, 1.0000
CMYK	0.00, 0.75, 1.00, 0.02
HSL	15°, 100%, 49%
HSV	15°, 100%, 98%
XYZ	41.1958, 23.8790, 2.4372
YIQ	111.7310, 131.6750, 20.0510

Conversions

Conversions Part 2

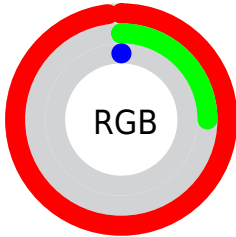
Format	Color
R_{YB}	250, 84, 0
Decimal	16400128
CIE Lab	55.97, 68.19, 67.72
CIE LCh	56, 96.101, 44.799
Yxy	23.8790, 0.6102, 0.3537
Android (android.graphics.Color)	4294590208 (0xFFFA3F00)
YUV	111.7310, -55.0834, 121.2619
Hunter-Lab	48.8661, 64.9659, 31.2492

Details

The Yxy color **23.8790, 0.6102, 0.3537** 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 **42.4094, 0.2010, 0.2435**, and the grayscale version is **16.2628, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0231, 0.5233, 0.3822**, and **10.1903, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.8805, 0.6102, 0.3537**, and if you desaturate by 10%, it is **26.3860, 0.5855, 0.3627**.

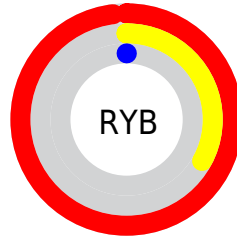
Distribution



Red (98%)

Green (25%)

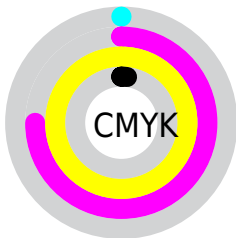
Blue (0%)



Red (98%)

Yellow (33%)

Blue (0%)

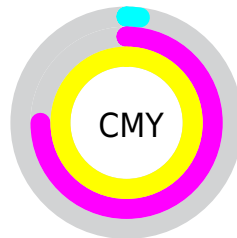


Cyan (0%)

Magenta (75%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (75%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.8790, 0.6102, 0.3537 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 23.8790, 0.6102, 0.3537 by changing the saturation by 10% instead.


 23.8790, 0.6102,
0.3537


 23.8790, 0.6102,
0.3537


272.2082, 0.4604,
0.3663


 15.2439, 0.6410,
0.3409


 49.8327, 0.5595,
0.3656

 8.9907, 0.6784,
0.3216


 67.9200, 0.5390,
0.3679


 4.7351, 0.7128,
0.2872

 89.9269, 0.5212,
0.3689

 2.0927, 0.7605,
0.2395

 116.2377, 0.5057,
0.3690

 0.6605, 0.8326,
0.1674

 147.2369, 0.4922,
0.3687

 0.0000, 1.0000,
0.0000


 183.3087, 0.4803,

 0.0000, 0.0000,


0.3680

0.0000

 224.8377, 0.4698,
0.3672


 23.8790, 0.6102,
0.3537


 23.8790, 0.6102,
0.3537


 23.8805, 0.6102,
0.3537

 26.3860, 0.5855,
0.3627

 29.7484, 0.5522,
0.3684

 34.0521, 0.5136,
0.3698

 39.3656, 0.4740,
0.3675

 45.7501, 0.4367,
0.3626

■ 53.2619, 0.4033,
0.3563

■ 61.9531, 0.3745,
0.3493

■ 71.8724, 0.3501,
0.3422

■ 83.0660, 0.3297,
0.3354

Harmonies

Analogous

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



23.8790, 0.5718, 0.2741



23.8790, 0.6102, 0.3537



23.8790, 0.5430, 0.4520

Triad

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



23.8790, 0.6102, 0.3537



23.8790, 0.1743, 0.5323



23.8790, 0.1490, 0.1247

Complementary

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



23.8790, 0.6102, 0.3537



42.4094, 0.2010, 0.2435

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.



23.8790, 0.0977, 0.1325



23.8790, 0.6102, 0.3537



23.8790, 0.1021, 0.3127

Square

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



23.8790, 0.6102, 0.3537



23.8790, 0.2922, 0.6437



23.8790, 0.0825, 0.1827



23.8790, 0.2539, 0.1477

Rectangle

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



23.8790, 0.6102, 0.3537



23.8790, 0.4671, 0.5317



23.8790, 0.0825, 0.1827



23.8790, 0.1270, 0.1237

Sweetspot

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



23.8805, 0.6102, 0.3537



64.7893, 0.3745, 0.3493



23.9283, 0.3980, 0.1966



13.0135, 0.3861, 0.3523



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.



23.8805, 0.6102, 0.3537



24.9629, 0.6103, 0.3536



56.0655, 0.4728, 0.4628



17.9365, 0.3288, 0.3351



12.8615, 0.6074, 0.3559



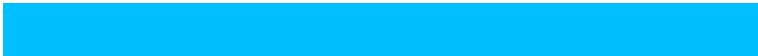
1.3526, 0.5846, 0.3740

Inverse Universe

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



42.4094, 0.2010, 0.2435



44.3426, 0.2010, 0.2434



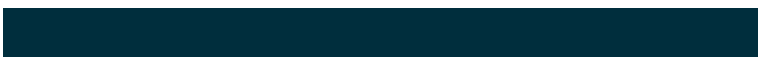
10.3999, 0.1573, 0.0861



18.8237, 0.2980, 0.3229



22.7415, 0.2014, 0.2450



2.2746, 0.2045, 0.2562

Previews

White Background



This preview shows how the Yxy color 23.8790, 0.6102, 0.3537 looks on a white background.

Color Contrast Check

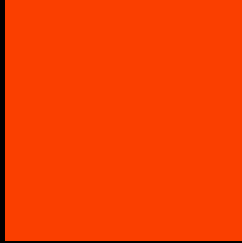
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8790, 0.6102, 0.3537 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 23.8790, 0.6102, 0.3537

Background



This preview shows how black text looks on a background with the Yxy color 23.8790, 0.6102, 0.3537.



This preview shows how white text looks on a background with the Yxy color 23.8790, 0.6102, 0.3537.

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

23.8790, 0.6102, 0.3537

Protanopia

23.9960, 0.4304, 0.4771

Deuteranopia

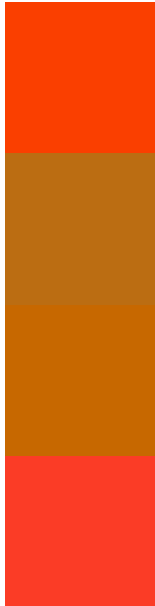
23.9844, 0.4706, 0.4645



Tritanopia

23.9634, 0.5791, 0.3291

Trichromacy



Original Color

23.8790, 0.6102, 0.3537

Protanomaly

21.5457, 0.5115, 0.4227

Deuteranomaly

22.0427, 0.5348, 0.4136

Tritanomaly

23.8809, 0.5975, 0.3418

Monochromacy



Original Color

23.8790, 0.6102, 0.3537

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1417, 0.4534, 0.3652

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8790, 0.6102, 0.3537 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(250, 63, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 63, 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(250, 63, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 63, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.8790, 0.6102, 0.3537 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(250, 63, 0) }
```

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

```
.border{ border-color:rgb(250, 63, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(250, 63, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 63, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 63, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 63, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.8790, 0.6102, 0.3537 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 63, 0) }
```

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

```
.background{ background-color: rgb(250, 63,  
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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