

Converting Colors

$Y_{xy}(23.1633, 0.6056, 0.3541)$

Have a look what the booklet for
Yxy(23.1633, 0.6056, 0.3541)
contains.

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Color

Yxy(23.0990, 0.6058, 0.3539)

Conversions

Conversions Part 1

Format	Color
Hex	F54009
RGB	245, 64, 9
RGB Percent	96%, 25%, 4%
CMY	0.0392, 0.7490, 0.9650
CMYK	0.00, 0.74, 0.96, 0.04
HSL	14°, 93%, 50%
HSV	14°, 96%, 96%
XYZ	39.5405, 23.0990, 2.6304
YIQ	111.8490, 125.5310, 21.2670

Conversions

Conversions Part 2

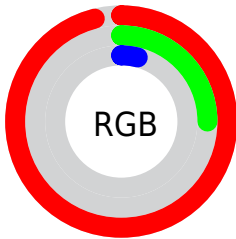
Format	Color
RYB	245, 81, 9
Decimal	16072713
CIELab	55.17, 66.47, 64.90
CIELCh	55, 92.897, 44.315
Yxy	23.0990, 0.6058, 0.3539
Android (android.graphics.Color)	4294262793 (0xFFFF54009)
YUV	111.8490, -50.7046, 116.7734
Hunter-Lab	48.0614, 62.7458, 30.3981

Details

The Yxy color **23.0990, 0.6058, 0.3539** 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 **43.4409, 0.2042, 0.2535**, and the grayscale version is **16.2785, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.0687, 0.5203, 0.3796**, and **9.5837, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.3569, 0.6139, 0.3508**, and if you desaturate by 10%, it is **25.6798, 0.5780, 0.3619**.

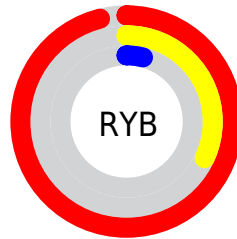
Distribution



Red (96%)

Green (25%)

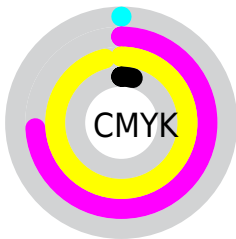
Blue (4%)



Red (96%)

Yellow (32%)

Blue (4%)

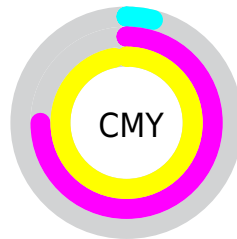


Cyan (0%)

Magenta (74%)

Yellow (96%)

Black (4%)



Cyan (4%)


Magenta (75%)


Yellow (97%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.0990, 0.6058, 0.3539 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 23.0990, 0.6058, 0.3539 by changing the saturation by 10% instead.


 23.0990, 0.6058,
0.3539


 23.0990, 0.6058,
0.3539


268.2331, 0.4562,
0.3649


 14.6666, 0.6373,
0.3416


 48.5558, 0.5545,
0.3651


 8.5858, 0.6769,
0.3231


 66.3491, 0.5340,
0.3671


 4.4720, 0.7117,
0.2883


 88.0314, 0.5162,
0.3679

 1.9409, 0.7604,
0.2396

 113.9872, 0.5009,
0.3679

 0.5728, 0.8390,
0.1610

 144.6009, 0.4875,
0.3675

 0.0000, 1.0000,
0.0000


 180.2568, 0.4757,


 0.0000, 0.0000,

0.3667

0.0000


 221.3394, 0.4654,
0.3659


 23.0990, 0.6058,
0.3539


 23.0990, 0.6058,
0.3539


 22.3569, 0.6139,
0.3508

 25.6798, 0.5780,
0.3619

 29.1369, 0.5418,
0.3660

 33.5475, 0.5016,
0.3661

 38.9786, 0.4617,
0.3631

 45.4906, 0.4250,
0.3581

■ 53.1391, 0.3928,
0.3519

■ 61.9756, 0.3654,
0.3454

■ 72.0486, 0.3423,
0.3389

■ 83.4037, 0.3232,
0.3327

Harmonies

Analogous

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



23.0990, 0.5648, 0.2746



23.0990, 0.6058, 0.3539



23.0990, 0.5419, 0.4503

Triad

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



23.0990, 0.6058, 0.3539



23.0990, 0.1792, 0.5303



23.0990, 0.1503, 0.1273

Complementary

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



23.0990, 0.6058, 0.3539



43.4409, 0.2042, 0.2535

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.



23.0990, 0.0999, 0.1358



23.0990, 0.6058, 0.3539



23.0990, 0.1062, 0.3167

Square

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



23.0990, 0.6058, 0.3539



23.0990, 0.2966, 0.6366



23.0990, 0.0854, 0.1870



23.0990, 0.2530, 0.1497

Rectangle

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



23.0990, 0.6058, 0.3539



23.0990, 0.4682, 0.5278



23.0990, 0.0854, 0.1870



23.0990, 0.1287, 0.1266

Sweetspot

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



23.1004, 0.6058, 0.3539



65.1263, 0.3723, 0.3471



23.3213, 0.3886, 0.1927



13.0525, 0.3840, 0.3499



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.



23.1004, 0.6058, 0.3539



24.4398, 0.6142, 0.3505



52.9089, 0.4736, 0.4603



17.1100, 0.3288, 0.3346



12.2176, 0.6113, 0.3528



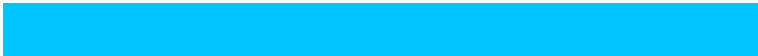
1.2248, 0.5875, 0.3717

Inverse Universe

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



43.4409, 0.2042, 0.2535



46.4735, 0.2028, 0.2502



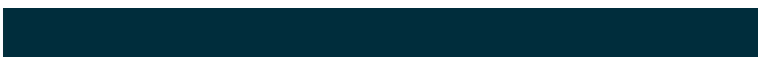
11.2685, 0.1605, 0.0957



18.0638, 0.2980, 0.3233



23.1104, 0.2033, 0.2518



2.1862, 0.2063, 0.2626

Previews

White Background



This preview shows how the Yxy color 23.0990, 0.6058, 0.3539 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 23.0990, 0.6058, 0.3539 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 23.0990, 0.6058, 0.3539

Background



This preview shows how black text looks on a background with the Yxy color 23.0990, 0.6058, 0.3539.



This preview shows how white text looks on a background with the Yxy color 23.0990, 0.6058, 0.3539.

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

23.0990, 0.6058, 0.3539

Protanopia

23.2584, 0.4299, 0.4758

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.1723, 0.5739, 0.3284

Trichromacy



Original Color

23.0990, 0.6058, 0.3539

Protanomaly

20.9734, 0.5083, 0.4218

Deuteranomaly

21.3092, 0.5321, 0.4143

Tritanomaly

23.1047, 0.5912, 0.3405

Monochromacy



Original Color

23.0990, 0.6058, 0.3539

Achromatopsia

16.2029, 0.3127, 0.3290

Achromatomaly

16.1660, 0.4437, 0.3612

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.0990, 0.6058, 0.3539 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(245, 64, 9)` looks like.

```
.text, #text, p{  
    color:rgb(245, 64, 9)  
}
```

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(245, 64, 9) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 64, 9) }
```

Border

The CSS property to change the border of an element to Yxy 23.0990, 0.6058, 0.3539 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(245, 64, 9) }
```

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

```
.border{ border-color:rgb(245, 64, 9) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 64, 9)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 64, 9); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 64, 9);  
box-shadow:4px 4px 4px 4px rgb(245, 64, 9)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.0990, 0.6058, 0.3539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 64, 9) }
```

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

```
.background{ background-color: rgb(245, 64,  
9) }
```

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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