

Converting Colors

Yxy(23.0539, 0.6144, 0.3504)

Have a look what the booklet for
Yxy(23.0539, 0.6144, 0.3504)
contains.

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Color

Yxy(23.1658, 0.6141, 0.3506)

Conversions

Conversions Part 1

Format	Color
Hex	F93A00
RGB	249, 58, 0
RGB Percent	98%, 23%, 0%
CMY	0.0236, 0.7724, 1.0000
CMYK	0.00, 0.77, 1.00, 0.02
HSL	14°, 100%, 49%
HSV	14°, 100%, 98%
XYZ	40.5765, 23.1658, 2.3324
YIQ	108.4970, 132.4540, 22.4540

Conversions

Conversions Part 2

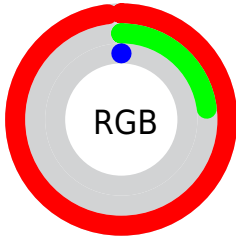
Format	Color
R_{YB}	249, 76, 0
Decimal	16333312
CIE Lab	55.24, 69.41, 67.29
CIE LCh	55, 96.668, 44.112
Yxy	23.1658, 0.6141, 0.3506
Android (android.graphics.Color)	4294523392 (0xFFFF93A00)
YUV	108.4970, -53.4890, 123.2211
Hunter-Lab	48.1309, 66.2545, 30.8184

Details

The Yxy color **23.1658, 0.6141, 0.3506** 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 **44.0773, 0.2029, 0.2504**, and the grayscale version is **15.2744, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.0407, 0.5272, 0.3784**, and **9.9451, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.1673, 0.6141, 0.3506**, and if you desaturate by 10%, it is **25.5334, 0.5896, 0.3593**.

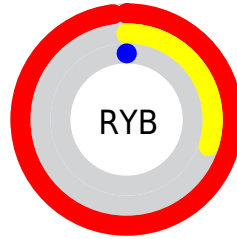
Distribution



Red (98%)

Green (23%)

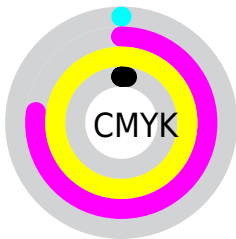
Blue (0%)



Red (98%)

Yellow (30%)

Blue (0%)

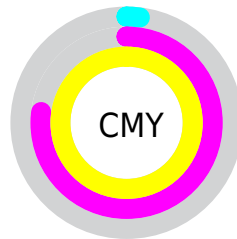


Cyan (0%)

Magenta (77%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (77%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1658, 0.6141, 0.3506 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 23.1658, 0.6141, 0.3506 by changing the saturation by 10% instead.


 23.1658, 0.6141,
0.3506


 23.1658, 0.6141,
0.3506


268.5754, 0.4617,
0.3651


 14.7160, 0.6456,
0.3372


 48.6654, 0.5624,
0.3634


 8.6203, 0.6833,
0.3167


 66.4840, 0.5416,
0.3660

 4.4944, 0.7187,
0.2813

 88.1943, 0.5235,
0.3671

 1.9538, 0.7678,
0.2322

 114.1808, 0.5077,
0.3675

 0.5804, 0.8453,
0.1547

 144.8277, 0.4940,
0.3673

 0.0000, 1.0000,
0.0000


 180.5195, 0.4819,


 0.0000, 0.0000,


0.3667

0.0000

 221.6406, 0.4712,
0.3660


 23.1658, 0.6141,
0.3506


 23.1658, 0.6141,
0.3506


 23.1673, 0.6141,
0.3506

 25.5334, 0.5896,
0.3593

 28.7732, 0.5560,
0.3649

 32.9764, 0.5166,
0.3665

 38.2154, 0.4762,
0.3645

 44.5556, 0.4381,
0.3601

■ 52.0564, 0.4041,
0.3542

■ 60.7731, 0.3749,
0.3478

■ 70.7571, 0.3503,
0.3412

■ 82.0570, 0.3298,
0.3349

Harmonies

Analogous

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



23.1658, 0.5731, 0.2711



23.1658, 0.6141, 0.3506



23.1658, 0.5474, 0.4495

Triad

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



23.1658, 0.6141, 0.3506



23.1658, 0.1743, 0.5411



23.1658, 0.1455, 0.1226

Complementary

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



23.1658, 0.6141, 0.3506



44.0773, 0.2029, 0.2504

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.



23.1658, 0.0951, 0.1311



23.1658, 0.6141, 0.3506



23.1658, 0.1008, 0.3162

Square

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



23.1658, 0.6141, 0.3506



23.1658, 0.2935, 0.6484



23.1658, 0.0804, 0.1825



23.1658, 0.2497, 0.1450

Rectangle

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



23.1658, 0.6141, 0.3506



23.1658, 0.4702, 0.5298



23.1658, 0.0804, 0.1825



23.1658, 0.1238, 0.1218

Sweetspot

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



23.1673, 0.6141, 0.3506



64.1244, 0.3750, 0.3478



24.0791, 0.3860, 0.1900



12.8599, 0.3867, 0.3505



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.



23.1673, 0.6141, 0.3506



24.4334, 0.6143, 0.3505



52.1534, 0.4814, 0.4559



17.8817, 0.3288, 0.3346



12.5808, 0.6115, 0.3527



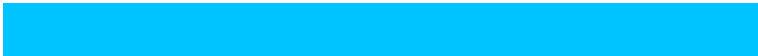
1.3197, 0.5889, 0.3706

Inverse Universe

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



44.0773, 0.2029, 0.2504



46.5013, 0.2029, 0.2503



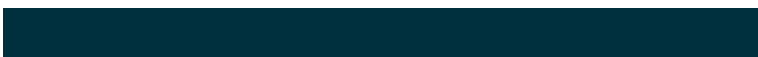
11.2876, 0.1592, 0.0930



18.8823, 0.2980, 0.3233



23.8245, 0.2033, 0.2518



2.3669, 0.2061, 0.2621

Previews

White Background



This preview shows how the Yxy color 23.1658, 0.6141, 0.3506 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 23.1658, 0.6141, 0.3506 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 23.1658, 0.6141, 0.3506

Background



This preview shows how black text looks on a background with the Yxy color 23.1658, 0.6141, 0.3506.



This preview shows how white text looks on a background with the Yxy color 23.1658, 0.6141, 0.3506.

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

23.1658, 0.6141, 0.3506

Protanopia

23.2533, 0.4304, 0.4765

Deuteranopia

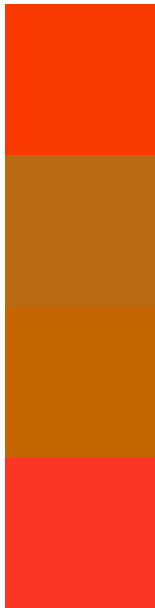
23.1372, 0.4701, 0.4649



Tritanopia

23.2382, 0.5870, 0.3292

Trichromacy



Original Color

23.1658, 0.6141, 0.3506

Protanomaly

20.6660, 0.5140, 0.4203

Deuteranomaly

21.1777, 0.5376, 0.4113

Tritanomaly

23.1777, 0.6028, 0.3400

Monochromacy



Original Color

23.1658, 0.6141, 0.3506

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

15.2156, 0.4578, 0.3623

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1658, 0.6141, 0.3506 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(249, 58, 0)` looks like.

```
.text, #text, p{  
    color:rgb(249, 58, 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(249, 58, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 58, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1658, 0.6141, 0.3506 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(249, 58, 0) }
```

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

```
.border{ border-color:rgb(249, 58, 0) }
```

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

Here you see how a box with a 4 pixel rgb(249, 58, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 58, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 58, 0);  
box-shadow:4px 4px 4px 4px rgb(249, 58, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1658, 0.6141, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 58, 0) }
```

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

```
.background{ background-color: rgb(249, 58,  
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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