

Converting Colors

$Y_{xy}(23.1081, 0.6161, 0.3490)$

Have a look what the booklet for
Yxy(23.1081, 0.6161, 0.3490)
contains.

Yxy(23.1523, 0.6159, 0.3492)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(23.1523, 0.6159, 0.3492)

Conversions

Conversions Part 1

Format	Color
Hex	FA3800
RGB	250, 56, 0
RGB Percent	98%, 22%, 0%
CMY	0.0197, 0.7802, 1.0000
CMYK	0.00, 0.78, 1.00, 0.02
HSL	13°, 100%, 49%
HSV	13°, 100%, 98%
XYZ	40.8348, 23.1523, 2.3139
YIQ	107.6220, 133.6000, 23.7120

Conversions

Conversions Part 2

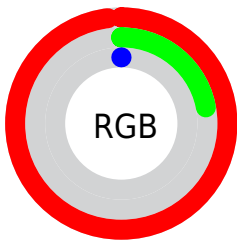
Format	Color
RYB	250, 72, 0
Decimal	16398336
CIELab	55.23, 70.26, 67.41
CIELCh	55, 97.370, 43.814
Yxy	23.1523, 0.6159, 0.3492
Android (android.graphics.Color)	4294588416 (0xFFFA3800)
YUV	107.6220, -53.0576, 124.8655
Hunter-Lab	48.1168, 67.2811, 30.8306

Details

The Yxy color **23.1523, 0.6159, 0.3492** 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 **45.4603, 0.2038, 0.2536**, and the grayscale version is **15.0139, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8015, 0.5282, 0.3774**, and **10.0673, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.1539, 0.6159, 0.3492**, and if you desaturate by 10%, it is **25.4833, 0.5915, 0.3577**.

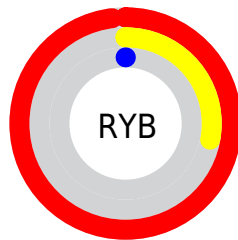
Distribution



Red (98%)

Green (22%)

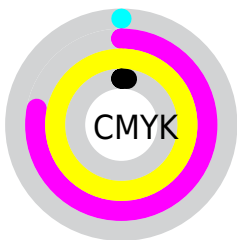
Blue (0%)



Red (98%)

Yellow (28%)

Blue (0%)

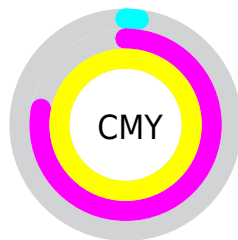


Cyan (0%)

Magenta (78%)

Yellow (100%)

Black (2%)



Cyan (2%)


Magenta (78%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.1523, 0.6159, 0.3492 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 23.1523, 0.6159, 0.3492 by changing the saturation by 10% instead.


 23.1523, 0.6159,
0.3492


 23.1523, 0.6159,
0.3492


268.5063, 0.4627,
0.3647


 14.7060, 0.6476,
0.3356


 48.6433, 0.5640,
0.3624


 8.6133, 0.6852,
0.3148


 66.4568, 0.5430,
0.3651


 4.4898, 0.7209,
0.2791

 88.1614, 0.5248,
0.3664

 1.9512, 0.7702,
0.2298

 114.1417, 0.5090,
0.3668

 0.5789, 0.8476,
0.1524

 144.7819, 0.4952,
0.3667

 0.0000, 1.0000,
0.0000


 180.4664, 0.4830,


 0.0000, 0.0000,


0.3662


0.0000


 221.5798, 0.4723,
0.3655


 23.1523, 0.6159,
0.3492


 23.1523, 0.6159,
0.3492

 23.1539, 0.6159,
0.3492

 25.4833, 0.5915,
0.3577

 28.7058, 0.5578,
0.3633

 32.9150, 0.5181,
0.3649

 38.1868, 0.4773,
0.3631

 44.5892, 0.4388,
0.3589

■ 52.1842, 0.4045,
0.3533

■ 61.0292, 0.3751,
0.3471

■ 71.1780, 0.3504,
0.3408

■ 82.6809, 0.3298,
0.3347

Harmonies

Analogous

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



23.1523, 0.5737, 0.2698



23.1523, 0.6159, 0.3492



23.1523, 0.5494, 0.4483

Triad

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



23.1523, 0.6159, 0.3492



23.1523, 0.1743, 0.5452



23.1523, 0.1439, 0.1217

Complementary

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



23.1523, 0.6159, 0.3492



45.4603, 0.2038, 0.2536

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.



23.1523, 0.0939, 0.1304



23.1523, 0.6159, 0.3492



23.1523, 0.1001, 0.3178

Square

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



23.1523, 0.6159, 0.3492



23.1523, 0.2939, 0.6506



23.1523, 0.0795, 0.1824



23.1523, 0.2479, 0.1438

Rectangle

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



23.1523, 0.6159, 0.3492



23.1523, 0.4713, 0.5287



23.1523, 0.0795, 0.1824



23.1523, 0.1224, 0.1209

Sweetspot

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



23.1539, 0.6159, 0.3492



63.8165, 0.3752, 0.3471



24.2990, 0.3860, 0.1900



12.7889, 0.3870, 0.3497



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.



23.1539, 0.6159, 0.3492



24.2027, 0.6160, 0.3491



52.6247, 0.4815, 0.4559



17.8562, 0.3288, 0.3344



12.4580, 0.6133, 0.3513



1.3051, 0.5909, 0.3690

Inverse Universe

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



45.4603, 0.2038, 0.2536



47.5324, 0.2038, 0.2535



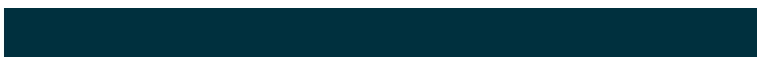
11.3861, 0.1592, 0.0930



18.9097, 0.2980, 0.3236



24.3416, 0.2042, 0.2549



2.4107, 0.2069, 0.2648

Previews

White Background



This preview shows how the Yxy color 23.1523, 0.6159, 0.3492 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 23.1523, 0.6159, 0.3492 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 23.1523, 0.6159, 0.3492

Background



This preview shows how black text looks on a background with the Yxy color 23.1523, 0.6159, 0.3492.



This preview shows how white text looks on a background with the Yxy color 23.1523, 0.6159, 0.3492.

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

23.1523, 0.6159, 0.3492

Protanopia

23.2533, 0.4304, 0.4765

Deuteranopia

23.1372, 0.4701, 0.4649



Tritanopia

23.3125, 0.5900, 0.3298

Trichromacy



Original Color

23.1523, 0.6159, 0.3492

Protanomaly

20.5859, 0.5164, 0.4184

Deuteranomaly

21.1777, 0.5376, 0.4113

Tritanomaly

23.2631, 0.6045, 0.3397

Monochromacy



Original Color

23.1523, 0.6159, 0.3492

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

15.0480, 0.4589, 0.3607

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.1523, 0.6159, 0.3492 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, 56, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 56, 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, 56, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 56, 0) }
```

Border

The CSS property to change the border of an element to Yxy 23.1523, 0.6159, 0.3492 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, 56, 0) }
```

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

```
.border{ border-color:rgb(250, 56, 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, 56, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 56, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 56, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 56, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.1523, 0.6159, 0.3492 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 56, 0) }
```

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

```
.background{ background-color: rgb(250, 56,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor