

Converting Colors

$Y_{xy}(23.2540, 0.6187, 0.3460)$

Have a look what the booklet for
Yxy(23.2540, 0.6187, 0.3460)
contains.

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Color

Yxy(23.3452, 0.6187, 0.3459)

Conversions

Conversions Part 1

Format	Color
Hex	FD3403
RGB	253, 52, 3
RGB Percent	99%, 20%, 1%
CMY	0.0078, 0.7961, 0.9885
CMYK	0.00, 0.79, 0.99, 0.01
HSL	12°, 98%, 50%
HSV	12°, 99%, 99%
XYZ	41.7568, 23.3452, 2.3892
YIQ	106.5130, 135.5250, 27.3730

Conversions

Conversions Part 2

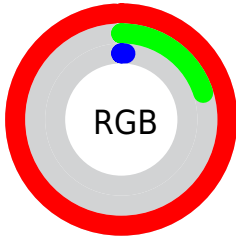
Format	Color
R_{YB}	253, 64, 3
Decimal	16593923
CIE Lab	55.43, 72.23, 67.16
CIE LCh	55, 98.627, 42.915
Yxy	23.3452, 0.6187, 0.3459
Android (android.graphics.Color)	4294784003 (0xFFFD3403)
YUV	106.5130, -51.0319, 128.4691
Hunter-Lab	48.3169, 69.7102, 30.8900

Details

The Yxy color **23.3452, 0.6187, 0.3459** 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 **50.2779, 0.2069, 0.2643**, and the grayscale version is **14.6727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.1097, 0.5303, 0.3739**, and **10.4391, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **23.1356, 0.6211, 0.3451**, and if you desaturate by 10%, it is **25.6471, 0.5940, 0.3537**.

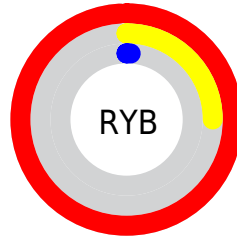
Distribution



Red (99%)

Green (20%)

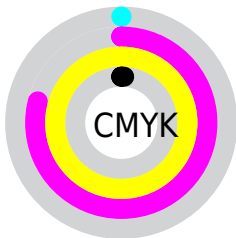
Blue (1%)



Red (99%)

Yellow (25%)

Blue (1%)

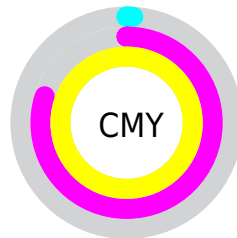


Cyan (0%)

Magenta (79%)

Yellow (99%)

Black (1%)



Cyan (1%)


Magenta (80%)

Yellow (99%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.3452, 0.6187, 0.3459 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 23.3452, 0.6187, 0.3459 by changing the saturation by 10% instead.


 23.3452, 0.6187,
0.3459


 23.3452, 0.6187,
0.3459


269.4931, 0.4642,
0.3631


 14.8486, 0.6506,
0.3320


 48.9595, 0.5663,
0.3596


 8.7132, 0.6890,
0.3110

 66.8460, 0.5452,
0.3626

 4.5546, 0.7248,
0.2752

 88.6313, 0.5268,
0.3641

 1.9884, 0.7741,
0.2259

 114.6998, 0.5109,
0.3647

 0.6007, 0.8495,
0.1505

 145.4358, 0.4969,
0.3647

 0.0000, 1.0000,
0.0000

 181.2237, 0.4846,

 0.0000, 0.0000,


0.3644

0.0000


 222.4480, 0.4738,
0.3638

 23.3452, 0.6187,
0.3459


 23.3452, 0.6187,
0.3459


 23.1356, 0.6211,
0.3451

 25.6471, 0.5940,
0.3537

 28.9169, 0.5589,
0.3587

 33.2578, 0.5179,
0.3601

 38.7555, 0.4759,
0.3585

 45.4866, 0.4367,
0.3547

■ 53.5211, 0.4021,
0.3497

■ 62.9234, 0.3727,
0.3442

■ 73.7537, 0.3481,
0.3387

■ 86.0687, 0.3277,
0.3334

Harmonies

Analogous

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



23.3452, 0.5727, 0.2666



23.3452, 0.6187, 0.3459



23.3452, 0.5536, 0.4447

Triad

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



23.3452, 0.6187, 0.3459



23.3452, 0.1759, 0.5542



23.3452, 0.1406, 0.1202

Complementary

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



23.3452, 0.6187, 0.3459



50.2779, 0.2069, 0.2643

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.



23.3452, 0.0918, 0.1299



23.3452, 0.6187, 0.3459



23.3452, 0.0999, 0.3232

Square

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



23.3452, 0.6187, 0.3459



23.3452, 0.2967, 0.6531



23.3452, 0.0783, 0.1837



23.3452, 0.2431, 0.1415

Rectangle

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



23.3452, 0.6187, 0.3459



23.3452, 0.4750, 0.5250



23.3452, 0.0783, 0.1837



23.3452, 0.1195, 0.1198

Sweetspot

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



23.3467, 0.6187, 0.3459



62.8586, 0.3759, 0.3449



25.4624, 0.3739, 0.1837



12.5682, 0.3879, 0.3472



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.



23.3467, 0.6187, 0.3459



23.5430, 0.6211, 0.3450



51.0952, 0.4891, 0.4492



18.5637, 0.3290, 0.3337



12.4643, 0.6187, 0.3470



1.3570, 0.5983, 0.3631

Inverse Universe

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



50.2779, 0.2069, 0.2643



50.8727, 0.2065, 0.2635



13.1647, 0.1620, 0.1026



19.8403, 0.2980, 0.3242



26.7962, 0.2069, 0.2647



2.7564, 0.2091, 0.2728

Previews

White Background



This preview shows how the Yxy color 23.3452, 0.6187, 0.3459 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 23.3452, 0.6187, 0.3459 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 23.3452, 0.6187, 0.3459

Background



This preview shows how black text looks on a background with the Yxy color 23.3452, 0.6187, 0.3459.



This preview shows how white text looks on a background with the Yxy color 23.3452, 0.6187, 0.3459.

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

23.3452, 0.6187, 0.3459

Protanopia

23.3528, 0.4311, 0.4749

Deuteranopia

23.2465, 0.4713, 0.4640



Tritanopia

23.2927, 0.5977, 0.3304

Trichromacy



Original Color

23.3452, 0.6187, 0.3459

Protanomaly

20.5159, 0.5180, 0.4156

Deuteranomaly

21.0680, 0.5419, 0.4075

Tritanomaly

23.2681, 0.6089, 0.3381

Monochromacy



Original Color

23.3452, 0.6187, 0.3459

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.4562, 0.4607, 0.3561

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.3452, 0.6187, 0.3459 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(253, 52, 3)` looks like.

```
.text, #text, p{  
    color:rgb(253, 52, 3)  
}
```

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(253, 52, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 52, 3) }
```

Border

The CSS property to change the border of an element to Yxy 23.3452, 0.6187, 0.3459 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(253, 52, 3) }
```

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

```
.border{ border-color:rgb(253, 52, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(253, 52, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 52, 3); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 52, 3);  
box-shadow:4px 4px 4px 4px rgb(253, 52, 3)  
}
```


Background

The CSS property to change the background color of an element to Yxy 23.3452, 0.6187, 0.3459 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 52, 3) }
```

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

```
.background{ background-color: rgb(253, 52,  
3) }
```

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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