

Converting Colors

$Y_{xy}(23.8951, 0.6135, 0.3439)$

Have a look what the booklet for
Yxy(23.8951, 0.6135, 0.3439)
contains.

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Color

Yxy(23.9454, 0.6131, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	FF3613
RGB	255, 54, 19
RGB Percent	100%, 21%, 7%
CMY	0.0000, 0.7882, 0.9257
CMYK	0.00, 0.79, 0.93, 0.00
HSL	9°, 100%, 54%
HSV	9°, 93%, 100%
XYZ	42.6771, 23.9454, 2.9862
YIQ	110.1090, 131.0310, 31.7270

Conversions

Conversions Part 2

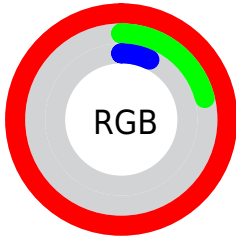
Format	Color
R_{YB}	255, 60, 19
Decimal	16725523
CIE _{Lab}	56.03, 72.39, 63.88
CIE _{LCh}	56, 96.543, 41.429
Yxy	23.9454, 0.6131, 0.3440
Android (android.graphics.Color)	4294915603 (0xFFFF3613)
YUV	110.1090, -44.9167, 127.0694
Hunter-Lab	48.9340, 70.0416, 30.6356

Details

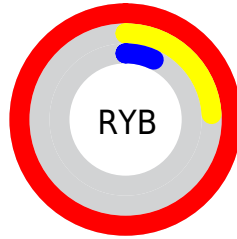
The Yxy color **23.9454, 0.6131, 0.3440** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **58.5085, 0.2131, 0.2840**, and the grayscale version is **15.7296, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6847, 0.5211, 0.3697**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.6387, 0.6284, 0.3393**, and if you desaturate by 10%, it is **26.5765, 0.5820, 0.3494**.

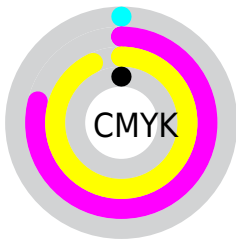
Distribution



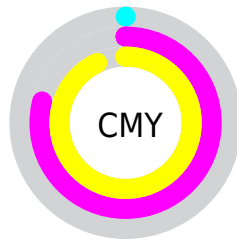
- Red (100%)
- Green (21%)
- Blue (7%)



- Red (100%)
- Yellow (24%)
- Blue (7%)



- Cyan (0%)
- Magenta (79%)
- Yellow (93%)
- Black (0%)



- Cyan (0%)
- Magenta (79%)
- Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9454, 0.6131, 0.3440 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 23.9454, 0.6131, 0.3440 by changing the saturation by 10% instead.


 23.9454, 0.6131,
0.3440


 23.9454, 0.6131,
0.3440

272.5443, 0.4600,
0.3601


 15.2931, 0.6455,
0.3310


 49.9411, 0.5605,
0.3567


 9.0254, 0.6875,
0.3125


 68.0533, 0.5395,
0.3594

 4.7577, 0.7226,
0.2774

 90.0876, 0.5214,
0.3608

 2.1058, 0.7710,
0.2290

 116.4284, 0.5057,
0.3614

 0.6679, 0.8422,
0.1578

 147.4600, 0.4920,
0.3615


 0.0000, 1.0000,
0.0000


 183.5670, 0.4800,


 0.0000, 0.0000,

0.3612


0.0000


 225.1336, 0.4694,
0.3607


 23.9454, 0.6131,
0.3440

 23.9454, 0.6131,
0.3440

 22.6387, 0.6284,
0.3393


 26.5765, 0.5820,
0.3494

 30.3321, 0.5415,
0.3520


 35.3237, 0.4975,
0.3519

 41.6481, 0.4550,
0.3497

 49.3923, 0.4170,
0.3462

 58.6360, 0.3844,
0.3422

 69.4527, 0.3573,
0.3379

 81.9113, 0.3351,
0.3338

 96.0764, 0.3168,
0.3299

Harmonies

Analogous

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



23.9454, 0.5599, 0.2652



23.9454, 0.6131, 0.3440



23.9454, 0.5542, 0.4393

Triad

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



23.9454, 0.6131, 0.3440



23.9454, 0.1855, 0.5564



23.9454, 0.1405, 0.1236

Complementary

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



23.9454, 0.6131, 0.3440



58.5085, 0.2131, 0.2840

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.



23.9454, 0.0939, 0.1351



23.9454, 0.6131, 0.3440



23.9454, 0.1067, 0.3341

Square

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



23.9454, 0.6131, 0.3440



23.9454, 0.3062, 0.6430



23.9454, 0.0823, 0.1919



23.9454, 0.2386, 0.1432

Rectangle

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



23.9454, 0.6131, 0.3440



23.9454, 0.4814, 0.5185



23.9454, 0.0823, 0.1919



23.9454, 0.1203, 0.1237

Sweetspot

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



23.9465, 0.6131, 0.3440



63.3798, 0.3714, 0.3402



27.0801, 0.3552, 0.1753



12.6052, 0.3837, 0.3421



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.



23.9465, 0.6131, 0.3440



22.6387, 0.6284, 0.3393



49.4775, 0.4943, 0.4411



18.4224, 0.3291, 0.3326



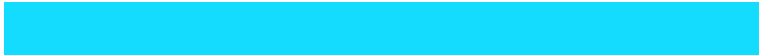
11.9590, 0.6263, 0.3409



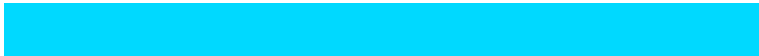
1.2872, 0.6079, 0.3555

Inverse Universe

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



58.5085, 0.2131, 0.2840



56.9061, 0.2112, 0.2801



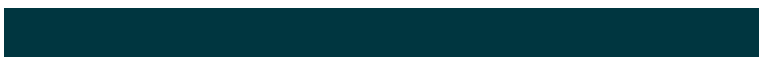
17.5631, 0.1700, 0.1275



19.9944, 0.2980, 0.3254



29.9094, 0.2114, 0.2810



3.0317, 0.2131, 0.2870

Previews

White Background



This preview shows how the Yxy color 23.9454, 0.6131, 0.3440 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 23.9454, 0.6131, 0.3440 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 23.9454, 0.6131, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 23.9454, 0.6131, 0.3440.



This preview shows how white text looks on a background with the Yxy color 23.9454, 0.6131, 0.3440.

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

23.9454, 0.6131, 0.3440

Protanopia

24.0472, 0.4257, 0.4701

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.9639, 0.5930, 0.3298

Trichromacy



Original Color

23.9454, 0.6131, 0.3440

Protanomaly

21.2258, 0.5112, 0.4112

Deuteranomaly

21.7402, 0.5389, 0.4071

Tritanomaly

23.9594, 0.6022, 0.3364

Monochromacy



Original Color

23.9454, 0.6131, 0.3440

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.6347, 0.4495, 0.3497

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9454, 0.6131, 0.3440 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(255, 54, 19)` looks like.

```
.text, #text, p{  
    color:rgb(255, 54, 19)  
}
```

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(255, 54, 19) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 54, 19) }
```

Border

The CSS property to change the border of an element to Yxy 23.9454, 0.6131, 0.3440 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(255, 54, 19) }
```

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

```
.border{ border-color:rgb(255, 54, 19) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 54, 19)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 54, 19); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 54, 19);  
box-shadow:4px 4px 4px 4px rgb(255, 54,  
19) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9454, 0.6131, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 54, 19) }
```

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

```
.background{ background-color: rgb(255, 54,  
19) }
```

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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