

Converting Colors

$Y_{xy}(23.5372, 0.5930, 0.3554)$

Have a look what the booklet for
Yxy(23.5372, 0.5930, 0.3554)
contains.

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Color

Yxy(23.6314, 0.5930, 0.3557)

Conversions

Conversions Part 1

Format	Color
Hex	F34719
RGB	243, 71, 25
RGB Percent	95%, 28%, 10%
CMY	0.0470, 0.7216, 0.9017
CMYK	0.00, 0.71, 0.90, 0.05
HSL	13°, 90%, 53%
HSV	13°, 90%, 95%
XYZ	39.3967, 23.6314, 3.4082
YIQ	117.1840, 117.2780, 22.1580

Conversions

Conversions Part 2

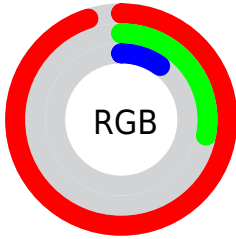
Format	Color
R_{YB}	243, 83, 25
Decimal	15943449
CIE Lab	55.72, 63.68, 60.62
CIE LCh	56, 87.917, 43.591
Yxy	23.6314, 0.5930, 0.3557
Android (android.graphics.Color)	4294133529 (0xFFFF34719)
YUV	117.1840, -45.4467, 110.3406
Hunter-Lab	48.6121, 59.5905, 29.8717

Details

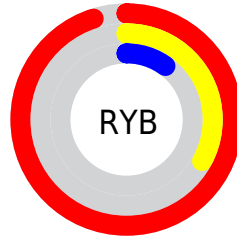
The Yxy color **23.6314, 0.5930, 0.3557** is a dark color, and the websafe version is hex **FF6633**. The color can be described as dark washed red. A complement of this color would be **46.6595, 0.2088, 0.2664**, and the grayscale version is **17.9660, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.4963, 0.5067, 0.3767**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **21.4980, 0.6175, 0.3476**, and if you desaturate by 10%, it is **26.6231, 0.5588, 0.3610**.

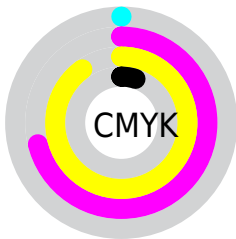
Distribution



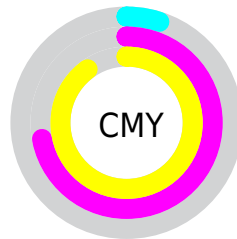
- Red (95%)
- Green (28%)
- Blue (10%)



- Red (95%)
- Yellow (33%)
- Blue (10%)



- Cyan (0%)
- Magenta (71%)
- Yellow (90%)
- Black (5%)




- Cyan (5%)
- Magenta (72%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.6314, 0.5930, 0.3557 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 23.6314, 0.5930, 0.3557 by changing the saturation by 10% instead.


 23.6314, 0.5930,
0.3557

 23.6314, 0.5930,
0.3557


270.9516, 0.4481,
0.3627


 15.0604, 0.6248,
0.3453


 49.4280, 0.5424,
0.3646


 8.8618, 0.6672,
0.3303


 67.4225, 0.5224,
0.3659


 4.6511, 0.7024,
0.2976

 89.3268, 0.5053,
0.3663

 2.0441, 0.7496,
0.2504

 115.5255, 0.4906,
0.3661

 0.6329, 0.8238,
0.1762

 146.4030, 0.4778,
0.3654


 0.0000, 1.0000,
0.0000

 182.3435, 0.4666,


 0.0000, 0.0000,


0.3646


0.0000

 223.7316, 0.4568,
0.3637


 23.6314, 0.5930,
0.3557


 23.6314, 0.5930,
0.3557

 21.4980, 0.6175,
0.3476


 26.6231, 0.5588,
0.3610


 21.4431, 0.6182,
0.3474

 30.5595, 0.5185,
0.3626

 35.5161, 0.4772,
0.3609


 41.5594, 0.4384,
0.3569

 48.7498, 0.4039,
0.3516

 57.1435, 0.3745,
0.3458

 66.7926, 0.3497,
0.3399

 77.7463, 0.3292,
0.3342

 90.0512, 0.3122,
0.3288

Harmonies

Analogous

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



23.6314, 0.5482, 0.2773



23.6314, 0.5930, 0.3557



23.6314, 0.5367, 0.4478

Triad

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



23.6314, 0.5930, 0.3557



23.6314, 0.1902, 0.5205



23.6314, 0.1555, 0.1348

Complementary

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



23.6314, 0.5930, 0.3557



46.6595, 0.2088, 0.2664

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.



23.6314, 0.1068, 0.1445



23.6314, 0.5930, 0.3557



23.6314, 0.1165, 0.3235

Square

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



23.6314, 0.5930, 0.3557



23.6314, 0.3052, 0.6180



23.6314, 0.0937, 0.1969



23.6314, 0.2536, 0.1559

Rectangle

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



23.6314, 0.5930, 0.3557



23.6314, 0.4678, 0.5194



23.6314, 0.0937, 0.1969



23.6314, 0.1346, 0.1344

Sweetspot

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



23.6328, 0.5930, 0.3557



66.4239, 0.3675, 0.3442



23.8998, 0.3726, 0.1868



13.4715, 0.3767, 0.3463



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.



23.6328, 0.5930, 0.3557



23.8724, 0.6185, 0.3471



50.8238, 0.4742, 0.4548



17.0481, 0.3288, 0.3341



11.9232, 0.6157, 0.3493



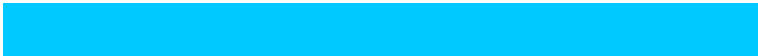
1.1908, 0.5925, 0.3677

Inverse Universe

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



46.6595, 0.2088, 0.2664



49.1238, 0.2051, 0.2583



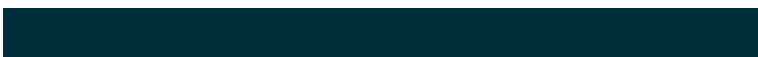
14.0686, 0.1679, 0.1165



18.1304, 0.2980, 0.3239



24.3985, 0.2055, 0.2597



2.2892, 0.2082, 0.2694

Previews

White Background



This preview shows how the Yxy color 23.6314, 0.5930, 0.3557 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 23.6314, 0.5930, 0.3557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

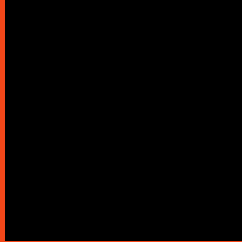
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 23.6314, 0.5930, 0.3557

Background



This preview shows how black text looks on a background with the Yxy color 23.6314, 0.5930, 0.3557.



This preview shows how white text looks on a background with the Yxy color 23.6314, 0.5930, 0.3557.

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

23.6314, 0.5930, 0.3557

Protanopia

23.6874, 0.4244, 0.4679

Deuteranopia

23.6138, 0.4709, 0.4643



Tritanopia

23.6771, 0.5599, 0.3282

Trichromacy



Original Color

23.6314, 0.5930, 0.3557

Protanomaly

21.6806, 0.4967, 0.4181

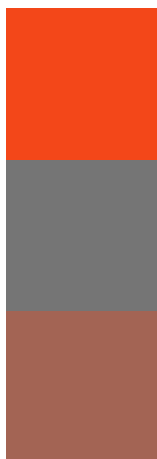
Deuteranomaly

22.2709, 0.5255, 0.4169

Tritanomaly

23.6244, 0.5761, 0.3401

Monochromacy



Original Color

23.6314, 0.5930, 0.3557

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.5410, 0.4299, 0.3547

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.6314, 0.5930, 0.3557 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(243, 71, 25)` looks like.

```
.text, #text, p{  
  color:rgb(243, 71, 25)  
}
```

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(243, 71, 25) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 71, 25) }
```

Border

The CSS property to change the border of an element to Yxy 23.6314, 0.5930, 0.3557 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(243, 71, 25) }
```

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

```
.border{ border-color:rgb(243, 71, 25) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 71, 25)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 71, 25); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 71, 25);  
box-shadow:4px 4px 4px 4px rgb(243, 71,  
25) }
```


Background

The CSS property to change the background color of an element to Yxy 23.6314, 0.5930, 0.3557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 71, 25) }
```

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

```
.background{ background-color: rgb(243, 71,  
25) }
```

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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