

Converting Colors

$Y_{xy}(23.8478, 0.6136, 0.3432)$

Have a look what the booklet for
Yxy(23.8478, 0.6136, 0.3432)
contains.

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Color

Yxy(23.8567, 0.6134, 0.3432)

Conversions

Conversions Part 1

Format	Color
Hex	FF3514
RGB	255, 53, 20
RGB Percent	100%, 21%, 8%
CMY	0.0000, 0.7921, 0.9218
CMYK	0.00, 0.79, 0.92, 0.00
HSL	8°, 100%, 54%
HSV	8°, 92%, 100%
XYZ	42.6390, 23.8567, 3.0168
YIQ	109.6360, 130.9850, 32.5610

Conversions

Conversions Part 2

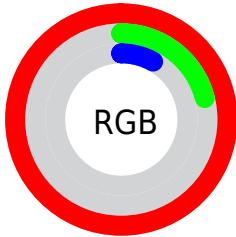
Format	Color
R_{YB}	255, 58, 20
Decimal	16725268
CIE Lab	55.94, 72.66, 63.52
CIE LCh	56, 96.509, 41.163
Yxy	23.8567, 0.6134, 0.3432
Android (android.graphics.Color)	4294915348 (0xFFFF3514)
YUV	109.6360, -44.1905, 127.4842
Hunter-Lab	48.8433, 70.3502, 30.5282

Details

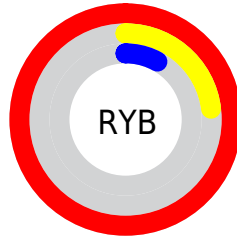
The Yxy color **23.8567, 0.6134, 0.3432** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **59.5725, 0.2139, 0.2867**, and the grayscale version is **15.5854, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.4505, 0.5220, 0.3687**, and **10.6914, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **22.5142, 0.6294, 0.3385**, and if you desaturate by 10%, it is **26.4757, 0.5819, 0.3483**.

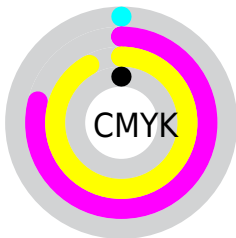
Distribution



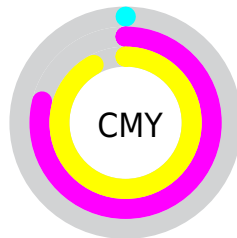
- Red (100%)
- Green (21%)
- Blue (8%)



- Red (100%)
- Yellow (23%)
- Blue (8%)



- Cyan (0%)
- Magenta (79%)
- Yellow (92%)
- Black (0%)




- Cyan (0%)
- Magenta (79%)
- Yellow (92%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 23.8567, 0.6134, 0.3432 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 23.8567, 0.6134, 0.3432 by changing the saturation by 10% instead.


 23.8567, 0.6134,
0.3432


 23.8567, 0.6134,
0.3432


272.0952, 0.4600,
0.3596


 15.2274, 0.6460,
0.3301


 49.7963, 0.5606,
0.3560


 8.9791, 0.6883,
0.3117


 67.8753, 0.5396,
0.3587


 4.7276, 0.7236,
0.2764

 89.8729, 0.5214,
0.3602

 2.0883, 0.7721,
0.2279

 116.1737, 0.5057,
0.3608

 0.6580, 0.8439,
0.1561

 147.1619, 0.4920,
0.3609

 0.0000, 1.0000,
0.0000

 183.2219, 0.4800,

 0.0000, 0.0000,


0.3606

0.0000

 224.7382, 0.4694,
0.3602


 23.8567, 0.6134,
0.3432


 23.8567, 0.6134,
0.3432


 22.5142, 0.6294,
0.3385


 26.4757, 0.5819,
0.3483

 30.2347, 0.5410,
0.3507

 35.2484, 0.4967,
0.3506


 41.6158, 0.4541,
0.3485

 49.4262, 0.4160,
0.3452

 58.7610, 0.3835,
0.3413

 69.6956, 0.3565,
0.3373

 82.3003, 0.3343,
0.3334

 96.6411, 0.3162,
0.3298

Harmonies

Analogous

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



23.8567, 0.5591, 0.2645



23.8567, 0.6134, 0.3432



23.8567, 0.5552, 0.4383

Triad

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



23.8567, 0.6134, 0.3432



23.8567, 0.1863, 0.5584



23.8567, 0.1398, 0.1234

Complementary

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



23.8567, 0.6134, 0.3432



59.5725, 0.2139, 0.2867

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.



23.8567, 0.0936, 0.1353



23.8567, 0.6134, 0.3432



23.8567, 0.1070, 0.3359

Square

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



23.8567, 0.6134, 0.3432



23.8567, 0.3073, 0.6430



23.8567, 0.0822, 0.1926



23.8567, 0.2373, 0.1428

Rectangle

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



23.8567, 0.6134, 0.3432



23.8567, 0.4826, 0.5174



23.8567, 0.0822, 0.1926



23.8567, 0.1198, 0.1236

Sweetspot

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



23.8582, 0.6134, 0.3432



63.1300, 0.3716, 0.3397



27.1217, 0.3550, 0.1754



12.5474, 0.3839, 0.3414



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.



23.8582, 0.6134, 0.3432



22.5144, 0.6294, 0.3385



49.6169, 0.4937, 0.4413



18.3991, 0.3291, 0.3324



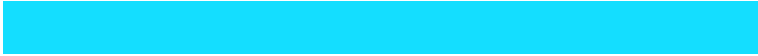
11.8885, 0.6274, 0.3400



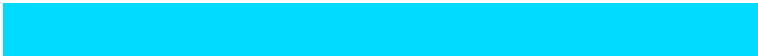
1.2763, 0.6094, 0.3543

Inverse Universe

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



59.5725, 0.2139, 0.2867



57.9468, 0.2119, 0.2829



17.7038, 0.1703, 0.1283



20.0199, 0.2980, 0.3256



30.4460, 0.2121, 0.2837



3.0789, 0.2137, 0.2894

Previews

White Background



This preview shows how the Yxy color 23.8567, 0.6134, 0.3432 looks on a white background.

Color Contrast Check

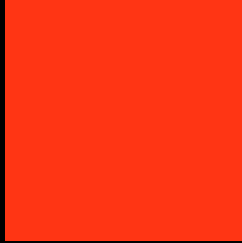
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8567, 0.6134, 0.3432 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 23.8567, 0.6134, 0.3432

Background



This preview shows how black text looks on a background with the Yxy color 23.8567, 0.6134, 0.3432.



This preview shows how white text looks on a background with the Yxy color 23.8567, 0.6134, 0.3432.

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

23.8567, 0.6134, 0.3432

Protanopia

24.0537, 0.4251, 0.4692

Deuteranopia

23.9844, 0.4706, 0.4645



Tritanopia

23.8667, 0.5946, 0.3298

Trichromacy



Original Color

23.8567, 0.6134, 0.3432

Protanomaly

21.0263, 0.5120, 0.4094

Deuteranomaly

21.7402, 0.5389, 0.4071

Tritanomaly

23.8692, 0.6029, 0.3358

Monochromacy



Original Color

23.8567, 0.6134, 0.3432

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.4671, 0.4505, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.8567, 0.6134, 0.3432 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, 53, 20)` looks like.

```
.text, #text, p{  
    color:rgb(255, 53, 20)  
}
```

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, 53, 20) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 53, 20) }
```

Border

The CSS property to change the border of an element to Yxy 23.8567, 0.6134, 0.3432 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, 53, 20) }
```

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

```
.border{ border-color:rgb(255, 53, 20) }
```

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

Here you see how a box with a 4 pixel rgb(255, 53, 20) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 53, 20); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 53, 20);  
box-shadow:4px 4px 4px 4px rgb(255, 53,  
20) }
```


Background

The CSS property to change the background color of an element to Yxy 23.8567, 0.6134, 0.3432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 53, 20) }
```

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

```
.background{ background-color: rgb(255, 53,  
20) }
```

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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