

Converting Colors

$Yxy(23.9119, 0.5946, 0.3304)$

Have a look what the booklet for
Yxy(23.9119, 0.5946, 0.3304)
contains.

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Color

Yxy(23.9550, 0.5940, 0.3304)

Conversions

Conversions Part 1

Format	Color
Hex	FF3433
RGB	255, 52, 51
RGB Percent	100%, 20%, 20%
CMY	0.0000, 0.7961, 0.8002
CMYK	0.00, 0.80, 0.80, 0.00
HSL	0°, 100%, 60%
HSV	0°, 80%, 100%
XYZ	43.0668, 23.9550, 5.4812
YIQ	112.5830, 121.3090, 42.7250

Conversions

Conversions Part 2

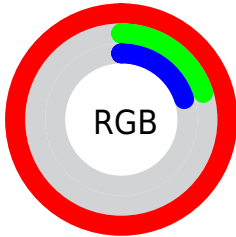
Format	Color
R_{YB}	255, 52, 51
Decimal	16725043
CIE _{Lab}	56.04, 73.51, 50.36
CIE _{LCh}	56, 89.105, 34.418
Yxy	23.9550, 0.5940, 0.3304
Android (android.graphics.Color)	4294915123 (0xFFFF3433)
YUV	112.5830, -30.3604, 124.8997
Hunter-Lab	48.9438, 71.4145, 27.6208

Details

The Yxy color **23.9550, 0.5940, 0.3304** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **78.7770, 0.2280, 0.3275**, and the grayscale version is **16.4477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.8834, 0.4953, 0.3466**, and **10.8298, 0.6374, 0.3285** is the 20% darker color. If you saturate the color by 10%, you get **22.0995, 0.6248, 0.3303**, and if you desaturate by 10%, it is **27.1488, 0.5506, 0.3304**.

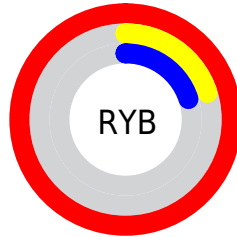
Distribution



Red (100%)

Green (20%)

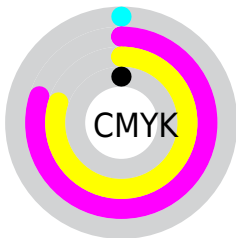
Blue (20%)



Red (100%)

Yellow (20%)

Blue (20%)

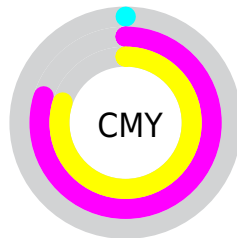


Cyan (0%)

Magenta (80%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (80%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9550, 0.5940, 0.3304 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 23.9550, 0.5940, 0.3304 by changing the saturation by 10% instead.


 23.9550, 0.5940,
0.3304

 23.9550, 0.5940,
0.3304


272.5929, 0.4451,
0.3469


 15.3002, 0.6291,
0.3194


 49.9568, 0.5403,
0.3414

 9.0304, 0.6709,
0.3016


 68.0725, 0.5198,
0.3440

 4.7610, 0.7252,
0.2748

 90.1108, 0.5024,
0.3456

 2.1077, 0.7737,
0.2263

 116.4559, 0.4875,
0.3465

 0.6690, 0.8447,
0.1553

 147.4923, 0.4747,
0.3469

 0.0000, 1.0000,
0.0000

 183.6043, 0.4635,

 0.0000, 0.0000,

0.3471

0.0000

225.1764, 0.4537,
0.3470

■ 23.9550, 0.5940,
0.3304

■ 23.9550, 0.5940,
0.3304

■ 22.0995, 0.6248,
0.3303

■ 27.1488, 0.5506,
0.3304

■ 21.2884, 0.6398,
0.3302

■ 31.8684, 0.5023,
0.3303

■ 38.2726, 0.4557,
0.3301

■ 46.4998, 0.4147,
0.3299

■ 56.6742, 0.3804,
0.3296

68.9092, 0.3527,
0.3294

83.3094, 0.3305,
0.3292

99.9724, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



23.9550, 0.5132, 0.2538



23.9550, 0.5940, 0.3304



23.9550, 0.5629, 0.4171

Triad

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



23.9550, 0.5940, 0.3304



23.9550, 0.2218, 0.5730



23.9550, 0.1351, 0.1332

Complementary

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



23.9550, 0.5940, 0.3304



78.7770, 0.2280, 0.3275

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.



23.9550, 0.0983, 0.1538



23.9550, 0.5940, 0.3304



23.9550, 0.1317, 0.3809

Square

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



23.9550, 0.5940, 0.3304



23.9550, 0.3423, 0.6124



23.9550, 0.0951, 0.2249



23.9550, 0.2167, 0.1453

Rectangle

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



23.9550, 0.5940, 0.3304



23.9550, 0.5022, 0.4865



23.9550, 0.0951, 0.2249



23.9550, 0.1187, 0.1360

Sweetspot

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



23.9553, 0.5940, 0.3304



63.7803, 0.3630, 0.3295



30.8442, 0.3205, 0.1635



12.7311, 0.3731, 0.3296



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.



23.9553, 0.5940, 0.3304



21.5323, 0.6351, 0.3302



44.2747, 0.5004, 0.4162



18.0020, 0.3294, 0.3292



11.1301, 0.6397, 0.3303



1.0887, 0.6389, 0.3309

Inverse Universe

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



78.7770, 0.2280, 0.3275



78.0075, 0.2246, 0.3272



30.6988, 0.1920, 0.1914



20.4645, 0.2980, 0.3288



40.7163, 0.2242, 0.3272



3.9694, 0.2243, 0.3274

Previews

White Background



This preview shows how the Yxy color 23.9550, 0.5940, 0.3304 looks on a white background.

Color Contrast Check

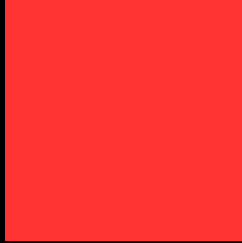
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.9550, 0.5940, 0.3304 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 23.9550, 0.5940, 0.3304

Background



This preview shows how black text looks on a background with the Yxy color 23.9550, 0.5940, 0.3304.



This preview shows how white text looks on a background with the Yxy color 23.9550, 0.5940, 0.3304.

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

23.9550, 0.5940, 0.3304

Protanopia

24.1183, 0.3935, 0.4292

Deuteranopia

23.9832, 0.4585, 0.4515



Tritanopia

23.9639, 0.5930, 0.3298

Trichromacy



Original Color

23.9550, 0.5940, 0.3304

Protanomaly

21.0613, 0.4788, 0.3801

Deuteranomaly

21.5469, 0.5233, 0.3921

Tritanomaly

23.9639, 0.5930, 0.3298

Monochromacy



Original Color

23.9550, 0.5940, 0.3304

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.2197, 0.4306, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9550, 0.5940, 0.3304 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, 52, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 52, 51)  
}
```

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, 52, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 52, 51) }
```

Border

The CSS property to change the border of an element to Yxy 23.9550, 0.5940, 0.3304 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, 52, 51) }
```

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

```
.border{ border-color:rgb(255, 52, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 52, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 52, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 52, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 52,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9550, 0.5940, 0.3304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 52, 51) }
```

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

```
.background{ background-color: rgb(255, 52,  
51) }
```

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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