

Converting Colors

$Yxy(23.9053, 0.5858, 0.3387)$

Have a look what the booklet for
Yxy(23.9053, 0.5858, 0.3387)
contains.

Yxy(23.9165, 0.5859, 0.3385)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(23.9165, 0.5859, 0.3385)

Conversions

Conversions Part 1

Format	Color
Hex	F93F31
RGB	249, 63, 49
RGB Percent	98%, 25%, 19%
CMY	0.0236, 0.7528, 0.8078
CMYK	0.00, 0.75, 0.80, 0.02
HSL	4°, 94%, 58%
HSV	4°, 80%, 98%
XYZ	41.3964, 23.9165, 5.3415
YIQ	117.0180, 115.3500, 35.0780

Conversions

Conversions Part 2

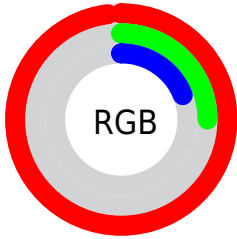
Format	Color
R_{YB}	249, 64, 49
Decimal	16334641
CIE Lab	56.00, 68.64, 50.93
CIE LCh	56, 85.473, 36.574
Yxy	23.9165, 0.5859, 0.3385
Android (android.graphics.Color)	4294524721 (0xFFFF93F31)
YUV	117.0180, -33.5329, 115.7482
Hunter-Lab	48.9045, 65.5127, 27.7573

Details

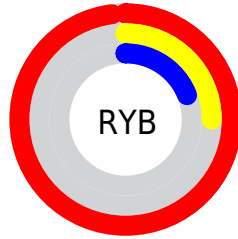
The Yxy color **23.9165, 0.5859, 0.3385** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **66.8925, 0.2236, 0.3112**, and the grayscale version is **17.8788, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.5384, 0.4921, 0.3553**, and **10.0717, 0.6389, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **21.7135, 0.6185, 0.3359**, and if you desaturate by 10%, it is **27.3159, 0.5428, 0.3398**.

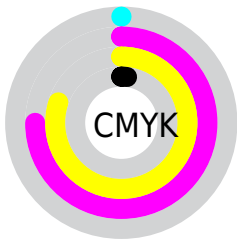
Distribution



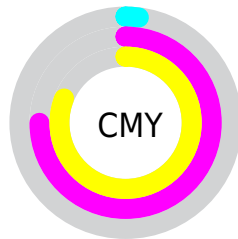
- Red (98%)
- Green (25%)
- Blue (19%)



- Red (98%)
- Yellow (25%)
- Blue (19%)



- Cyan (0%)
- Magenta (75%)
- Yellow (80%)
- Black (2%)





- Cyan (2%)
- Magenta (75%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 23.9165, 0.5859, 0.3385 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 23.9165, 0.5859, 0.3385 by changing the saturation by 10% instead.


 23.9165, 0.5859,
0.3385


 23.9165, 0.5859,
0.3385


272.3981, 0.4411,
0.3503


 15.2717, 0.6201,
0.3286


 49.8939, 0.5337,
0.3478

 9.0103, 0.6610,
0.3120


 67.9953, 0.5137,
0.3498

 4.7479, 0.7137,
0.2863

 90.0177, 0.4968,
0.3508

 2.1001, 0.7615,
0.2385

 116.3454, 0.4823,
0.3512

 0.6647, 0.8333,
0.1667

 147.3629, 0.4699,
0.3513

 0.0000, 1.0000,
0.0000

 183.4546, 0.4590,

 0.0000, 0.0000,

0.3511

0.0000

225.0049, 0.4495,
0.3508

■ 23.9165, 0.5859,
0.3385

■ 23.9165, 0.5859,
0.3385

■ 21.7135, 0.6185,
0.3359

■ 27.3159, 0.5428,
0.3398


■ 20.5529, 0.6363,
0.3330


■ 32.0443, 0.4962,
0.3397


■ 38.2216, 0.4518,
0.3386

■ 45.9529, 0.4126,
0.3369

■ 55.3338, 0.3797,
0.3349

 66.4520, 0.3527,
0.3328

 79.3891, 0.3308,
0.3309

 94.2216, 0.3132,
0.3291

 98.8778, 0.3090,
0.3290

Harmonies

Analogous

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



23.9165, 0.5147, 0.2622



23.9165, 0.5859, 0.3385



23.9165, 0.5518, 0.4251

Triad

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



23.9165, 0.5859, 0.3385



23.9165, 0.2187, 0.5513



23.9165, 0.1440, 0.1381

Complementary

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



23.9165, 0.5859, 0.3385



66.8925, 0.2236, 0.3112

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.



23.9165, 0.1048, 0.1562



23.9165, 0.5859, 0.3385



23.9165, 0.1334, 0.3661

Square

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



23.9165, 0.5859, 0.3385



23.9165, 0.3360, 0.6052



23.9165, 0.0997, 0.2221



23.9165, 0.2280, 0.1520

Rectangle

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



23.9165, 0.5859, 0.3385



23.9165, 0.4915, 0.4924



23.9165, 0.0997, 0.2221



23.9165, 0.1268, 0.1402

Sweetspot

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



23.9180, 0.5859, 0.3385



65.5754, 0.3621, 0.3336



28.3716, 0.3343, 0.1717



13.1469, 0.3718, 0.3343



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.



23.9180, 0.5859, 0.3385



22.0828, 0.6305, 0.3339



46.3176, 0.4871, 0.4289



17.4204, 0.3292, 0.3307



11.0742, 0.6351, 0.3340



1.0916, 0.6235, 0.3431

Inverse Universe

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



66.8925, 0.2236, 0.3112



68.3419, 0.2191, 0.3075



25.0073, 0.1869, 0.1723



19.3880, 0.2980, 0.3273



34.5054, 0.2186, 0.3069



3.2564, 0.2194, 0.3098

Previews

White Background



This preview shows how the Yxy color 23.9165, 0.5859, 0.3385 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 23.9165, 0.5859, 0.3385 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 23.9165, 0.5859, 0.3385

Background



This preview shows how black text looks on a background with the Yxy color 23.9165, 0.5859, 0.3385.



This preview shows how white text looks on a background with the Yxy color 23.9165, 0.5859, 0.3385.

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

23.9165, 0.5859, 0.3385

Protanopia

24.1472, 0.3995, 0.4358

Deuteranopia

23.9776, 0.4590, 0.4521



Tritanopia

23.8361, 0.5736, 0.3284

Trichromacy



Original Color

23.9165, 0.5859, 0.3385

Protanomaly

21.5994, 0.4766, 0.3907

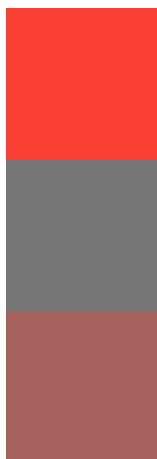
Deuteranomaly

22.0463, 0.5178, 0.3993

Tritanomaly

23.8905, 0.5782, 0.3324

Monochromacy



Original Color

23.9165, 0.5859, 0.3385

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.3214, 0.4229, 0.3372

CSS Examples

Text

The CSS property to change the color of the text to Yxy 23.9165, 0.5859, 0.3385 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(249, 63, 49)` looks like.

```
.text, #text, p{  
    color:rgb(249, 63, 49)  
}
```

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(249, 63, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 63, 49) }
```

Border

The CSS property to change the border of an element to Yxy 23.9165, 0.5859, 0.3385 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(249, 63, 49) }
```

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

```
.border{ border-color:rgb(249, 63, 49) }
```

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

Here you see how a box with a 4 pixel rgb(249, 63, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 63, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 63, 49);  
box-shadow:4px 4px 4px 4px rgb(249, 63,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 23.9165, 0.5859, 0.3385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 63, 49) }
```

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

```
.background{ background-color: rgb(249, 63,  
49) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor