

Converting Colors

$Yxy(22.6242, 0.5877, 0.3353)$

Have a look what the booklet for
Yxy(22.6242, 0.5877, 0.3353)
contains.

Yxy(22.6603, 0.5879, 0.3354)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(22.6603, 0.5879, 0.3354)

Conversions

Conversions Part 1

Format	Color
Hex	F53A31
RGB	245, 58, 49
RGB Percent	96%, 23%, 19%
CMY	0.0393, 0.7724, 0.8080
CMYK	0.00, 0.76, 0.80, 0.04
HSL	3°, 91%, 58%
HSV	3°, 80%, 96%
XYZ	39.7197, 22.6603, 5.1820
YIQ	112.8870, 114.3410, 36.8450

Conversions

Conversions Part 2

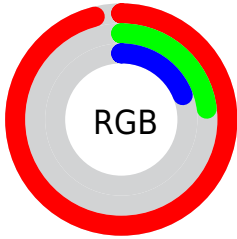
Format	Color
R_{YB}	245, 58, 49
Decimal	16071217
CIE _{Lab}	54.72, 68.99, 49.45
CIE _{LCh}	55, 84.881, 35.635
Yxy	22.6603, 0.5879, 0.3354
Android (android.graphics.Color)	4294261297 (0xFFFF53A31)
YUV	112.8870, -31.4963, 115.8631
Hunter-Lab	47.6028, 65.6351, 26.8677

Details

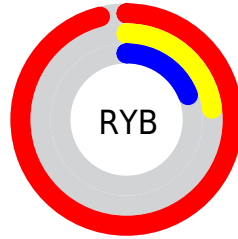
The Yxy color **22.6603, 0.5879, 0.3354** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.1828, 0.2254, 0.3173**, and the grayscale version is **16.5525, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.5560, 0.4952, 0.3513**, and **9.7077, 0.6389, 0.3293** is the 20% darker color. If you saturate the color by 10%, you get **20.6611, 0.6203, 0.3336**, and if you desaturate by 10%, it is **25.8424, 0.5445, 0.3363**.

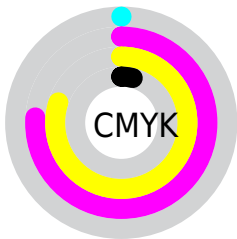
Distribution



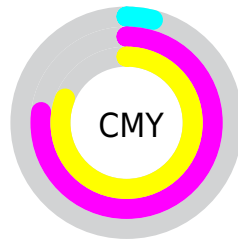
- Red (96%)
- Green (23%)
- Blue (19%)



- Red (96%)
- Yellow (23%)
- Blue (19%)



- Cyan (0%)
- Magenta (76%)
- Yellow (80%)
- Black (4%)




- Cyan (4%)
- Magenta (77%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 22.6603, 0.5879, 0.3354 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 22.6603, 0.5879, 0.3354 by changing the saturation by 10% instead.


 22.6603, 0.5879,
0.3354


 22.6603, 0.5879,
0.3354


265.9754, 0.4407,
0.3488


 14.3429, 0.6231,
0.3249


 47.8349, 0.5344,
0.3453

 8.3595, 0.6656,
0.3076


 65.4609, 0.5141,
0.3475


 4.3259, 0.7198,
0.2802

 86.9586, 0.4969,
0.3487

 1.8575, 0.7698,
0.2302

 112.7123, 0.4822,
0.3492

 0.5226, 0.8523,
0.1477

 143.1064, 0.4696,
0.3494

 0.0000, 1.0000,
0.0000

 178.5254, 0.4587,

 0.0000, 0.0000,

0.3493

0.0000

219.3536, 0.4491,
0.3491

■ 22.6603, 0.5879,
0.3354

■ 22.6603, 0.5879,
0.3354

■ 20.6611, 0.6203,
0.3336

■ 25.8424, 0.5445,
0.3363


■ 19.6574, 0.6377,
0.3318

■ 30.3473, 0.4972,
0.3362


■ 36.2997, 0.4521,
0.3354


■ 43.8090, 0.4125,
0.3343

■ 52.9739, 0.3793,
0.3329

 63.8850, 0.3521,
0.3315

 76.6265, 0.3303,
0.3302

 91.2769, 0.3127,
0.3290

 98.1501, 0.3066,
0.3290

Harmonies

Analogous

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



22.6603, 0.5129, 0.2591



22.6603, 0.5879, 0.3354



22.6603, 0.5556, 0.4219

Triad

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



22.6603, 0.5879, 0.3354



22.6603, 0.2208, 0.5588



22.6603, 0.1409, 0.1368

Complementary

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



22.6603, 0.5879, 0.3354



67.1828, 0.2254, 0.3173

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.



22.6603, 0.1028, 0.1560



22.6603, 0.5879, 0.3354



22.6603, 0.1336, 0.3722

Square

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



22.6603, 0.5879, 0.3354



22.6603, 0.3391, 0.6068



22.6603, 0.0986, 0.2240



22.6603, 0.2236, 0.1499

Rectangle

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



22.6603, 0.5879, 0.3354



22.6603, 0.4956, 0.4897



22.6603, 0.0986, 0.2240



22.6603, 0.1240, 0.1392

Sweetspot

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



22.6617, 0.5879, 0.3354



64.9125, 0.3624, 0.3321



27.8033, 0.3272, 0.1677



12.9931, 0.3722, 0.3326



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.



22.6617, 0.5879, 0.3354



21.8386, 0.6325, 0.3322



42.5810, 0.4930, 0.4226



16.6055, 0.3293, 0.3302



10.6450, 0.6368, 0.3326



0.9781, 0.6285, 0.3392

Inverse Universe

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



67.1828, 0.2254, 0.3173



71.7855, 0.2212, 0.3148



26.1291, 0.1897, 0.1823



18.6185, 0.2981, 0.3278



35.2058, 0.2207, 0.3145



3.1341, 0.2212, 0.3164

Previews

White Background



This preview shows how the Yxy color 22.6603, 0.5879, 0.3354 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 22.6603, 0.5879, 0.3354 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 22.6603, 0.5879, 0.3354

Background



This preview shows how black text looks on a background with the Yxy color 22.6603, 0.5879, 0.3354.



This preview shows how white text looks on a background with the Yxy color 22.6603, 0.5879, 0.3354.

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

22.6603, 0.5879, 0.3354

Protanopia

22.6820, 0.3978, 0.4324

Deuteranopia

22.7764, 0.4578, 0.4509



Tritanopia

22.6442, 0.5797, 0.3291

Trichromacy



Original Color

22.6603, 0.5879, 0.3354

Protanomaly

20.0722, 0.4778, 0.3855

Deuteranomaly

20.9232, 0.5173, 0.3969

Tritanomaly

22.6146, 0.5828, 0.3311

Monochromacy



Original Color

22.6603, 0.5879, 0.3354

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1440, 0.4234, 0.3342

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.6603, 0.5879, 0.3354 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(245, 58, 49)` looks like.

```
.text, #text, p{  
    color:rgb(245, 58, 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(245, 58, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 58, 49) }
```

Border

The CSS property to change the border of an element to Yxy 22.6603, 0.5879, 0.3354 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(245, 58, 49) }
```

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

```
.border{ border-color:rgb(245, 58, 49) }
```

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

Here you see how a box with a 4 pixel rgb(245, 58, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 58, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 58, 49);  
box-shadow:4px 4px 4px 4px rgb(245, 58,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 22.6603, 0.5879, 0.3354 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 58, 49) }
```

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

```
.background{ background-color: rgb(245, 58,  
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