

Converting Colors

$Yxy(22.9647, 0.5855, 0.3298)$

Have a look what the booklet for
Yxy(22.9647, 0.5855, 0.3298)
contains.

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Color

Yxy(22.9647, 0.5855, 0.3298)

Conversions

Conversions Part 1

Format	Color
Hex	F83737
RGB	248, 55, 55
RGB Percent	97%, 22%, 22%
CMY	0.0274, 0.7843, 0.7843
CMYK	0.00, 0.78, 0.78, 0.03
HSL	0°, 93%, 59%
HSV	0°, 78%, 97%
XYZ	40.7697, 22.9647, 5.8978
YIQ	112.7070, 115.0280, 40.9160

Conversions

Conversions Part 2

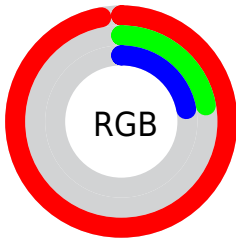
Format	Color
R_{YB}	248, 55, 55
Decimal	16267063
CIE Lab	55.04, 70.89, 46.80
CIE LCh	55, 84.949, 33.432
Yxy	22.9647, 0.5855, 0.3298
Android (android.graphics.Color)	4294457143 (0xFFFF83737)
YUV	112.7070, -28.4496, 118.6520
Hunter-Lab	47.9215, 67.9979, 26.2480

Details

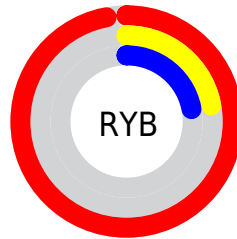
The Yxy color **22.9647, 0.5855, 0.3298** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **74.7296, 0.2292, 0.3288**, and the grayscale version is **16.4825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **35.1961, 0.4902, 0.3439**, and **10.0892, 0.6343, 0.3268** is the 20% darker color. If you saturate the color by 10%, you get **20.9914, 0.6196, 0.3299**, and if you desaturate by 10%, it is **26.2422, 0.5403, 0.3297**.

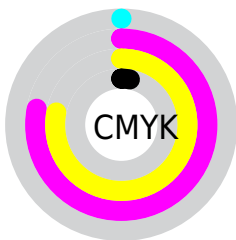
Distribution



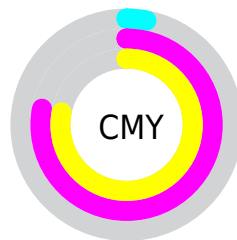
- Red (97%)
- Green (22%)
- Blue (22%)



- Red (97%)
- Yellow (22%)
- Blue (22%)



- Cyan (0%)
- Magenta (78%)
- Yellow (78%)
- Black (3%)



- Cyan (3%)
- Magenta (78%)
- Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 22.9647, 0.5855, 0.3298 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 22.9647, 0.5855, 0.3298 by changing the saturation by 10% instead.


 22.9647, 0.5855,
0.3298


 22.9647, 0.5855,
0.3298

267.5436, 0.4390,
0.3450


 14.5674, 0.6211,
0.3194


 48.3354, 0.5320,
0.3401

 8.5164, 0.6640,
0.3022


 66.0776, 0.5117,
0.3424


 4.4271, 0.7232,
0.2768

 87.7035, 0.4947,
0.3439

 1.9152, 0.7729,
0.2271

 113.5976, 0.4801,
0.3447

 0.5575, 0.8519,
0.1481

 144.1443, 0.4677,
0.3451

 0.0000, 1.0000,
0.0000

 179.7279, 0.4568,


 0.0000, 0.0000,

0.3452

0.0000


220.7329, 0.4474,
0.3452


 22.9647, 0.5855,
0.3298


 22.9647, 0.5855,
0.3298


 20.9914, 0.6196,
0.3299

 26.2422, 0.5403,
0.3297


 20.0870, 0.6374,
0.3300

 30.9916, 0.4918,
0.3295

 19.9581, 0.6401,
0.3300


 37.3600, 0.4462,
0.3294

 45.4756, 0.4066,
0.3293

 55.4539, 0.3738,
0.3292

 67.4003, 0.3473,
0.3291

 81.4126, 0.3262,
0.3290

 97.5819, 0.3094,
0.3290

 98.6981, 0.3084,
0.3290

Harmonies

Analogous

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



22.9647, 0.5026, 0.2540



22.9647, 0.5855, 0.3298



22.9647, 0.5603, 0.4150

Triad

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



22.9647, 0.5855, 0.3298



22.9647, 0.2294, 0.5678



22.9647, 0.1372, 0.1374

Complementary

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



22.9647, 0.5855, 0.3298



74.7296, 0.2292, 0.3288

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.



22.9647, 0.1019, 0.1595



22.9647, 0.5855, 0.3298



22.9647, 0.1388, 0.3862

Square

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



22.9647, 0.5855, 0.3298



22.9647, 0.3483, 0.6027



22.9647, 0.1002, 0.2322



22.9647, 0.2160, 0.1483

Rectangle

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



22.9647, 0.5855, 0.3298



22.9647, 0.5029, 0.4817



22.9647, 0.1002, 0.2322



22.9647, 0.1214, 0.1407

Sweetspot

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



22.9661, 0.5855, 0.3298



64.8996, 0.3604, 0.3291



29.4681, 0.3204, 0.1656



12.9394, 0.3704, 0.3292



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.



22.9661, 0.5855, 0.3298



21.7310, 0.6310, 0.3299



42.5294, 0.4944, 0.4160



17.2252, 0.3294, 0.3291



10.7805, 0.6401, 0.3300



0.9985, 0.6401, 0.3300

Inverse Universe

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



74.7296, 0.2292, 0.3288



78.8664, 0.2253, 0.3287



29.8855, 0.1945, 0.1959



19.6086, 0.2980, 0.3290



39.9269, 0.2247, 0.3287



3.6979, 0.2247, 0.3287

Previews

White Background



This preview shows how the Yxy color 22.9647, 0.5855, 0.3298 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 22.9647, 0.5855, 0.3298 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 22.9647, 0.5855, 0.3298

Background



This preview shows how black text looks on a background with the Yxy color 22.9647, 0.5855, 0.3298.



This preview shows how white text looks on a background with the Yxy color 22.9647, 0.5855, 0.3298.

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

22.9647, 0.5855, 0.3298

Protanopia

23.0723, 0.3879, 0.4202

Deuteranopia

22.9274, 0.4546, 0.4446



Tritanopia

22.9744, 0.5845, 0.3292

Trichromacy



Original Color

22.9647, 0.5855, 0.3298

Protanomaly

20.2879, 0.4693, 0.3756

Deuteranomaly

21.0396, 0.5156, 0.3902

Tritanomaly

22.9744, 0.5845, 0.3292

Monochromacy



Original Color

22.9647, 0.5855, 0.3298

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

16.1084, 0.4224, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 22.9647, 0.5855, 0.3298 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(248, 55, 55)` looks like.

```
.text, #text, p{  
    color:rgb(248, 55, 55)  
}
```

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(248, 55, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 55, 55) }
```

Border

The CSS property to change the border of an element to Yxy 22.9647, 0.5855, 0.3298 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(248, 55, 55) }
```

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

```
.border{ border-color:rgb(248, 55, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 55, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 55, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 55, 55);  
box-shadow:4px 4px 4px 4px rgb(248, 55,  
55) }
```


Background

The CSS property to change the background color of an element to Yxy 22.9647, 0.5855, 0.3298 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 55, 55) }
```

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

```
.background{ background-color: rgb(248, 55,  
55) }
```

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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