

Converting Colors

$Y_{xy}(21.7707, 0.5920, 0.3310)$

Have a look what the booklet for
Yxy(21.7707, 0.5920, 0.3310)
contains.

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Color

Yxy(21.8225, 0.5923, 0.3310)

Conversions

Conversions Part 1

Format	Color
Hex	F43331
RGB	244, 51, 49
RGB Percent	96%, 20%, 19%
CMY	0.0431, 0.8000, 0.8079
CMYK	0.00, 0.79, 0.80, 0.04
HSL	1°, 90%, 57%
HSV	1°, 80%, 96%
XYZ	39.0497, 21.8225, 5.0568
YIQ	108.4790, 115.6700, 40.2940

Conversions

Conversions Part 2

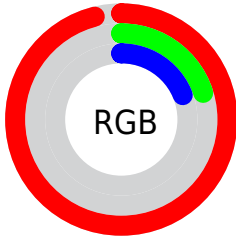
Format	Color
R_{YB}	244, 51, 49
Decimal	16003889
CIE _{Lab}	53.84, 70.68, 48.52
CIE _{LCh}	54, 85.729, 34.470
Yxy	21.8225, 0.5923, 0.3310
Android (android.graphics.Color)	4294193969 (0xFFFF43331)
YUV	108.4790, -29.3231, 118.8519
Hunter-Lab	46.7146, 67.4617, 26.2822

Details

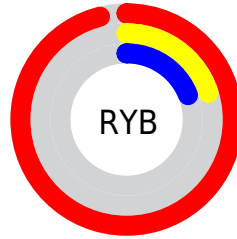
The Yxy color **21.8225, 0.5923, 0.3310** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **70.6879, 0.2277, 0.3262**, and the grayscale version is **15.1959, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.3845, 0.4990, 0.3464**, and **9.5903, 0.6382, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **20.0805, 0.6236, 0.3307**, and if you desaturate by 10%, it is **24.7726, 0.5488, 0.3311**.

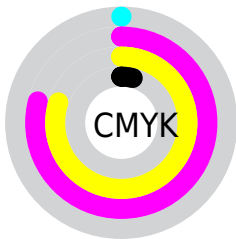
Distribution



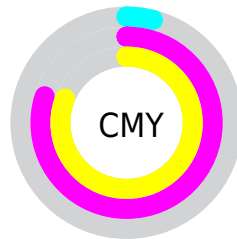
- Red (96%)
- Green (20%)
- Blue (19%)



- Red (96%)
- Yellow (20%)
- Blue (19%)



- Cyan (0%)
- Magenta (79%)
- Yellow (80%)
- Black (4%)





- Cyan (4%)
- Magenta (80%)
- Yellow (81%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.8225, 0.5923, 0.3310 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 21.8225, 0.5923, 0.3310 by changing the saturation by 10% instead.


 21.8225, 0.5923,
0.3310


 21.8225, 0.5923,
0.3310


261.6179, 0.4419,
0.3469


 13.7265, 0.6285,
0.3198


 46.4525, 0.5374,
0.3420

 7.9307, 0.6725,
0.3014


 63.7552, 0.5166,
0.3445


 4.0506, 0.7278,
0.2722

 84.8957, 0.4991,
0.3459

 1.7019, 0.7796,
0.2204

 110.2584, 0.4842,
0.3467

 0.4249, 0.8721,
0.1279

 140.2275, 0.4713,
0.3471

 0.0000, 1.0000,
0.0000

 175.1875, 0.4602,

 0.0000, 0.0000,

0.3472

0.0000

215.5229, 0.4505,
0.3471

■ 21.8225, 0.5923,
0.3310

■ 21.8225, 0.5923,
0.3310

■ 20.0805, 0.6236,
0.3307

■ 24.7726, 0.5488,
0.3311

■ 19.2944, 0.6395,
0.3304

■ 29.0915, 0.5006,
0.3310

■ 19.2903, 0.6395,
0.3304

■ 34.9197, 0.4544,
0.3308

■ 42.3792, 0.4138,
0.3304

■ 51.5796, 0.3798,
0.3300

 62.6208, 0.3523,
0.3297

 75.5956, 0.3302,
0.3293

 90.5900, 0.3126,
0.3290

 97.9756, 0.3060,
0.3290

Harmonies

Analogous

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



21.8225, 0.5120, 0.2545



21.8225, 0.5923, 0.3310



21.8225, 0.5617, 0.4175

Triad

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



21.8225, 0.5923, 0.3310



21.8225, 0.2225, 0.5706



21.8225, 0.1361, 0.1341

Complementary

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



21.8225, 0.5923, 0.3310



70.6879, 0.2277, 0.3262

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.



21.8225, 0.0992, 0.1547



21.8225, 0.5923, 0.3310



21.8225, 0.1327, 0.3803

Square

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



21.8225, 0.5923, 0.3310



21.8225, 0.3425, 0.6106



21.8225, 0.0961, 0.2256



21.8225, 0.2176, 0.1462

Rectangle

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



21.8225, 0.5923, 0.3310



21.8225, 0.5017, 0.4866



21.8225, 0.0961, 0.2256



21.8225, 0.1197, 0.1369

Sweetspot

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



21.8238, 0.5923, 0.3310



63.9225, 0.3629, 0.3298



27.9625, 0.3205, 0.1637



12.7640, 0.3730, 0.3299



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.



21.8238, 0.5923, 0.3310



21.5634, 0.6348, 0.3304



40.1674, 0.4997, 0.4162



16.5099, 0.3294, 0.3293



10.4997, 0.6393, 0.3306



0.9323, 0.6374, 0.3321

Inverse Universe

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



70.6879, 0.2277, 0.3262



77.2021, 0.2242, 0.3257



27.8951, 0.1923, 0.1919



18.7267, 0.2981, 0.3287



37.9265, 0.2238, 0.3256



3.3427, 0.2239, 0.3260

Previews

White Background



This preview shows how the Yxy color 21.8225, 0.5923, 0.3310 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 21.8225, 0.5923, 0.3310 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 21.8225, 0.5923, 0.3310

Background



This preview shows how black text looks on a background with the Yxy color 21.8225, 0.5923, 0.3310.



This preview shows how white text looks on a background with the Yxy color 21.8225, 0.5923, 0.3310.

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

21.8225, 0.5923, 0.3310

Protanopia

21.9062, 0.3936, 0.4280

Deuteranopia

21.9516, 0.4574, 0.4514



Tritanopia

21.8398, 0.5903, 0.3298

Trichromacy



Original Color

21.8225, 0.5923, 0.3310

Protanomaly

19.2499, 0.4777, 0.3809

Deuteranomaly

19.8958, 0.5216, 0.3936

Tritanomaly

21.8310, 0.5913, 0.3304

Monochromacy



Original Color

21.8225, 0.5923, 0.3310

Achromatopsia

14.9960, 0.3127, 0.3290

Achromatomaly

14.6726, 0.4272, 0.3293

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.8225, 0.5923, 0.3310 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(244, 51, 49)` looks like.

```
.text, #text, p{  
    color:rgb(244, 51, 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(244, 51, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 51, 49) }
```

Border

The CSS property to change the border of an element to Yxy 21.8225, 0.5923, 0.3310 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(244, 51, 49) }
```

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

```
.border{ border-color:rgb(244, 51, 49) }
```

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

Here you see how a box with a 4 pixel rgb(244, 51, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 51, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 51, 49);  
box-shadow:4px 4px 4px 4px rgb(244, 51,  
49) }
```


Background

The CSS property to change the background color of an element to Yxy 21.8225, 0.5923, 0.3310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 51, 49) }
```

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

```
.background{ background-color: rgb(244, 51,  
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](#).

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