

Converting Colors

$Y_{xy}(20.2945, 0.6105, 0.3251)$

Have a look what the booklet for
Yxy(20.2945, 0.6105, 0.3251)
contains.

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Color

Yxy(20.3217, 0.6107, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	F41E29
RGB	244, 30, 41
RGB Percent	96%, 12%, 16%
CMY	0.0431, 0.8823, 0.8390
CMYK	0.00, 0.88, 0.83, 0.04
HSL	357°, 91%, 54%
HSV	357°, 88%, 96%
XYZ	38.1743, 20.3217, 4.0131
YIQ	95.2400, 124.0130, 48.7890

Conversions

Conversions Part 2

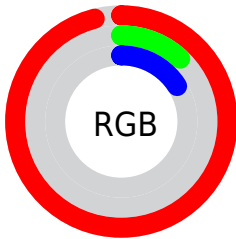
Format	Color
R_{YB}	244, 30, 41
Decimal	15998505
CIE _{Lab}	52.20, 74.94, 51.03
CIE _{LCh}	52, 90.665, 34.249
Yxy	20.3217, 0.6107, 0.3251
Android (android.graphics.Color)	4294188585 (0xFFFF41E29)
YUV	95.2400, -26.7403, 130.4625
Hunter-Lab	45.0796, 72.2680, 26.2776

Details

The Yxy color **20.3217, 0.6107, 0.3251** 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 **70.8598, 0.2303, 0.3429**, and the grayscale version is **11.5500, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.6651, 0.5182, 0.3429**, and **9.4650, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.3987, 0.6329, 0.3276**, and if you desaturate by 10%, it is **22.2825, 0.5740, 0.3231**.

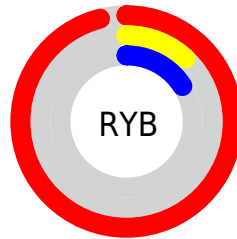
Distribution



Red (96%)

Green (12%)

Blue (16%)



Red (96%)

Yellow (12%)

Blue (16%)

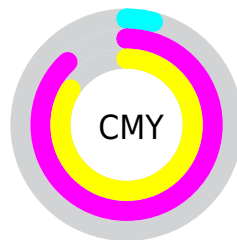


Cyan (0%)

Magenta (88%)

Yellow (83%)

Black (4%)



Cyan (4%)


Magenta (88%)


Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 20.3217, 0.6107, 0.3251 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 20.3217, 0.6107, 0.3251 by changing the saturation by 10% instead.


 20.3217, 0.6107,
0.3251

 20.3217, 0.6107,
0.3251


253.6514, 0.4505,
0.3467


 12.6291, 0.6484,
0.3114


 43.9559, 0.5528,
0.3390


 7.1736, 0.6964,
0.2908


 60.6663, 0.5306,
0.3423


 3.5709, 0.7455,
0.2545


 81.1514, 0.5118,
0.3444

 1.4366, 0.8006,
0.1994

 105.7956, 0.4959,
0.3456

 0.2434, 0.9185,
0.0815

 134.9833, 0.4821,
0.3463

 0.0000, 1.0000,
0.0000

 169.0989, 0.4702,

 0.0000, 0.0000,

0.3467

0.0000

208.5268, 0.4597,
0.3468

■ 20.3217, 0.6107,
0.3251

■ 20.3217, 0.6107,
0.3251

■ 19.3987, 0.6329,
0.3276

■ 22.2825, 0.5740,
0.3231

■ 19.2616, 0.6362,
0.3278


■ 25.4916, 0.5286,
0.3222


■ 30.1119, 0.4817,
0.3222

■ 36.2808, 0.4384,
0.3229

■ 44.1193, 0.4011,
0.3240

 53.7364, 0.3702,
0.3254

 65.2321, 0.3453,
0.3267

 78.6988, 0.3253,
0.3280

 94.2228, 0.3094,
0.3293

Harmonies

Analogous

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



20.3217, 0.5263, 0.2477



20.3217, 0.6107, 0.3251



20.3217, 0.5740, 0.4141

Triad

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



20.3217, 0.6107, 0.3251



20.3217, 0.2133, 0.5959



20.3217, 0.1264, 0.1243

Complementary

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



20.3217, 0.6107, 0.3251



70.8598, 0.2303, 0.3429

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.



20.3217, 0.0893, 0.1446



20.3217, 0.6107, 0.3251



20.3217, 0.1213, 0.3843

Square

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



20.3217, 0.6107, 0.3251



20.3217, 0.3377, 0.6296



20.3217, 0.0854, 0.2172



20.3217, 0.2100, 0.1367

Rectangle

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



20.3217, 0.6107, 0.3251



20.3217, 0.5101, 0.4899



20.3217, 0.0854, 0.2172



20.3217, 0.1099, 0.1270

Sweetspot

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



20.3230, 0.6107, 0.3251



61.3374, 0.3657, 0.3256



24.2402, 0.3060, 0.1503



12.2643, 0.3754, 0.3251



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.



20.3230, 0.6107, 0.3251



21.2895, 0.6364, 0.3279



33.4286, 0.5350, 0.4010



16.4964, 0.3286, 0.3278



10.4790, 0.6347, 0.3270



0.9258, 0.6214, 0.3197

Inverse Universe

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



20.3230, 0.6107, 0.3251



21.2895, 0.6364, 0.3279



29.0288, 0.1907, 0.1978



16.4964, 0.3286, 0.3278



10.4790, 0.6347, 0.3270



0.9258, 0.6214, 0.3197

Previews

White Background



This preview shows how the Yxy color 20.3217, 0.6107, 0.3251 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 20.3217, 0.6107, 0.3251 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 20.3217, 0.6107, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 20.3217, 0.6107, 0.3251.



This preview shows how white text looks on a background with the Yxy color 20.3217, 0.6107, 0.3251.

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

20.3217, 0.6107, 0.3251

Protanopia

20.4407, 0.3988, 0.4350

Deuteranopia

20.5002, 0.4657, 0.4592



Tritanopia

20.3500, 0.6194, 0.3314

Trichromacy



Original Color

20.3217, 0.6107, 0.3251

Protanomaly

16.9450, 0.4970, 0.3743

Deuteranomaly

17.7054, 0.5422, 0.3907

Tritanomaly

20.3229, 0.6166, 0.3291

Monochromacy



Original Color

20.3217, 0.6107, 0.3251

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.4040, 0.4504, 0.3227

CSS Examples

Text

The CSS property to change the color of the text to Yxy 20.3217, 0.6107, 0.3251 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, 30, 41)` looks like.

```
.text, #text, p{  
    color:rgb(244, 30, 41)  
}
```

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, 30, 41) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 30, 41) }
```

Border

The CSS property to change the border of an element to Yxy 20.3217, 0.6107, 0.3251 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, 30, 41) }
```

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

```
.border{ border-color:rgb(244, 30, 41) }
```

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

Here you see how a box with a 4 pixel rgb(244, 30, 41) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 30, 41); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 30, 41);  
box-shadow:4px 4px 4px 4px rgb(244, 30,  
41) }
```


Background

The CSS property to change the background color of an element to Yxy 20.3217, 0.6107, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 30, 41) }
```

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

```
.background{ background-color: rgb(244, 30,  
41) }
```

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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