

Converting Colors

$Y_{xy}(21.2998, 0.6114, 0.3408)$

Have a look what the booklet for
Yxy(21.2998, 0.6114, 0.3408)
contains.

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Color

Yxy(21.3173, 0.6115, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	F33118
RGB	243, 49, 24
RGB Percent	95%, 19%, 9%
CMY	0.0470, 0.8078, 0.9055
CMYK	0.00, 0.80, 0.90, 0.05
HSL	7°, 90%, 52%
HSV	7°, 90%, 95%
XYZ	38.2274, 21.3173, 2.9694
YIQ	104.1560, 123.6490, 33.3530

Conversions

Conversions Part 2

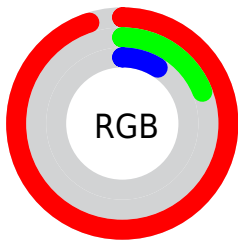
Format	Color
R_{YB}	243, 52, 24
Decimal	15937816
CIE _{Lab}	53.30, 70.39, 59.27
CIE _{LCh}	53, 92.022, 40.100
Yxy	21.3173, 0.6115, 0.3410
Android (android.graphics.Color)	4294127896 (0xFFFF33118)
YUV	104.1560, -39.5169, 121.7662
Hunter-Lab	46.1707, 66.9918, 28.5063

Details

The Yxy color **21.3173, 0.6115, 0.3410** is a dark color, and the websafe version is hex **FF3300**. The color can be described as dark washed red. A complement of this color would be **56.8619, 0.2168, 0.2960**, and the grayscale version is **13.9742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **33.5647, 0.5239, 0.3634**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.8691, 0.6323, 0.3362**, and if you desaturate by 10%, it is **23.7202, 0.5777, 0.3449**.

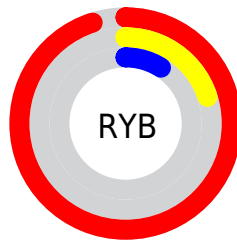
Distribution



Red (95%)

Green (19%)

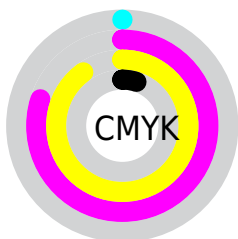
Blue (9%)



Red (95%)

Yellow (20%)

Blue (9%)

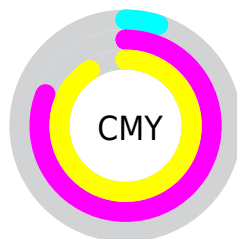


Cyan (0%)

Magenta (80%)

Yellow (90%)

Black (5%)



Cyan (5%)


Magenta (81%)


Yellow (91%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.3173, 0.6115, 0.3410 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 21.3173, 0.6115, 0.3410 by changing the saturation by 10% instead.


 21.3173, 0.6115,
0.3410


 21.3173, 0.6115,
0.3410

258.9600, 0.4551,
0.3573


 13.3561, 0.6460,
0.3276


 45.6150, 0.5566,
0.3538


 7.6742, 0.6916,
0.3084


 62.7204, 0.5350,
0.3565

 3.8872, 0.7295,
0.2705


 83.6425, 0.5166,
0.3579

 1.6107, 0.7822,
0.2178

 108.7660, 0.5007,
0.3585

 0.3648, 0.8830,
0.1170

 138.4750, 0.4870,
0.3586


 0.0000, 1.0000,
0.0000


 173.1541, 0.4750,


 0.0000, 0.0000,


0.3583

0.0000


 213.1876, 0.4644,
0.3579

 21.3173, 0.6115,
0.3410


 21.3173, 0.6115,
0.3410


 19.8691, 0.6323,
0.3362

 23.7202, 0.5777,
0.3449

 27.1998, 0.5351,
0.3466

 31.8655, 0.4899,
0.3462

 37.8123, 0.4472,
0.3443

 45.1251, 0.4096,
0.3415

■ 53.8819, 0.3778,
0.3383

■ 64.1546, 0.3516,
0.3351

■ 76.0103, 0.3302,
0.3319

■ 89.5120, 0.3128,
0.3290

Harmonies

Analogous

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



21.3173, 0.5525, 0.2626



21.3173, 0.6115, 0.3410



21.3173, 0.5575, 0.4349

Triad

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



21.3173, 0.6115, 0.3410



21.3173, 0.1916, 0.5624



21.3173, 0.1386, 0.1245

Complementary

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



21.3173, 0.6115, 0.3410



56.8619, 0.2168, 0.2960

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.



21.3173, 0.0939, 0.1377



21.3173, 0.6115, 0.3410



21.3173, 0.1103, 0.3432

Square

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



21.3173, 0.6115, 0.3410



21.3173, 0.3128, 0.6390



21.3173, 0.0837, 0.1972



21.3173, 0.2335, 0.1427

Rectangle

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



21.3173, 0.6115, 0.3410



21.3173, 0.4869, 0.5131



21.3173, 0.0837, 0.1972



21.3173, 0.1191, 0.1251

Sweetspot

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



21.3186, 0.6115, 0.3410



63.3873, 0.3694, 0.3373



24.9393, 0.3451, 0.1709



12.7744, 0.3790, 0.3384



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.



21.3186, 0.6115, 0.3410



22.1392, 0.6325, 0.3360



42.7120, 0.4984, 0.4351



16.7859, 0.3291, 0.3318



11.0008, 0.6306, 0.3375



1.0640, 0.6130, 0.3515

Inverse Universe

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



56.8619, 0.2168, 0.2960



61.6077, 0.2145, 0.2920



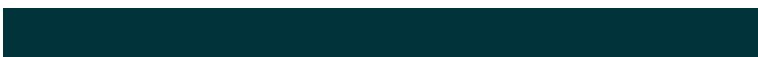
18.1806, 0.1748, 0.1425



18.4169, 0.2981, 0.3262



30.4522, 0.2147, 0.2928



2.7662, 0.2160, 0.2977

Previews

White Background



This preview shows how the Yxy color 21.3173, 0.6115, 0.3410 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 21.3173, 0.6115, 0.3410 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

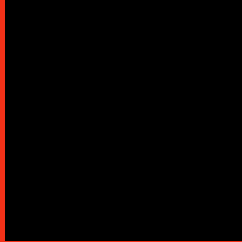
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 21.3173, 0.6115, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 21.3173, 0.6115, 0.3410.



This preview shows how white text looks on a background with the Yxy color 21.3173, 0.6115, 0.3410.

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

21.3173, 0.6115, 0.3410

Protanopia

21.4451, 0.4212, 0.4640

Deuteranopia

21.2518, 0.4707, 0.4645



Tritanopia

21.2850, 0.5972, 0.3304

Trichromacy



Original Color

21.3173, 0.6115, 0.3410

Protanomaly

18.6287, 0.5084, 0.4055

Deuteranomaly

19.2805, 0.5391, 0.4056

Tritanomaly

21.3085, 0.6033, 0.3350

Monochromacy



Original Color

21.3173, 0.6115, 0.3410

Achromatopsia

13.8432, 0.3127, 0.3290

Achromatomaly

13.8172, 0.4472, 0.3441

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.3173, 0.6115, 0.3410 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(243, 49, 24)` looks like.

```
.text, #text, p{  
  color:rgb(243, 49, 24)  
}
```

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(243, 49, 24) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 49, 24) }
```

Border

The CSS property to change the border of an element to Yxy 21.3173, 0.6115, 0.3410 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(243, 49, 24) }
```

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

```
.border{ border-color:rgb(243, 49, 24) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 49, 24)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 49, 24); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 49, 24);  
box-shadow:4px 4px 4px 4px rgb(243, 49,  
24) }
```


Background

The CSS property to change the background color of an element to Yxy 21.3173, 0.6115, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 49, 24) }
```

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

```
.background{ background-color: rgb(243, 49,  
24) }
```

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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