

Converting Colors

$Y_{xy}(19.4611, 0.6321, 0.3288)$

Have a look what the booklet for
Yxy(19.4611, 0.6321, 0.3288)
contains.

Yxy(19.5365, 0.6320, 0.3289)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(19.5365, 0.6320, 0.3289)

Conversions

Conversions Part 1

Format	Color
Hex	F40C11
RGB	244, 12, 17
RGB Percent	96%, 5%, 7%
CMY	0.0431, 0.9527, 0.9333
CMYK	0.00, 0.95, 0.93, 0.04
HSL	359°, 91%, 50%
HSV	359°, 95%, 96%
XYZ	37.5405, 19.5365, 2.3225
YIQ	81.9380, 136.6670, 50.7390

Conversions

Conversions Part 2

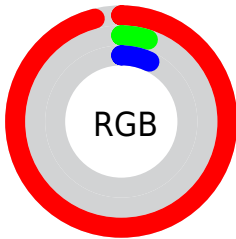
Format	Color
RYB	244, 12, 17
Decimal	15993873
CIELab	51.31, 76.73, 60.58
CIElCh	51, 97.762, 38.295
Yxy	19.5365, 0.6320, 0.3289
Android (android.graphics.Color)	4294183953 (0xFFFF40C11)
YUV	81.9380, -32.0144, 142.1284
Hunter-Lab	44.2001, 74.2552, 27.8247

Details

The Yxy color **19.5365, 0.6320, 0.3289** is a dark color, and the websafe version is hex **FF0000**. The color can be described as dark saturated red. A complement of this color would be **71.0147, 0.2269, 0.3350**, and the grayscale version is **8.4776, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.2267, 0.5437, 0.3530**, and **9.3471, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **19.2441, 0.6385, 0.3291**, and if you desaturate by 10%, it is **20.6822, 0.6079, 0.3278**.

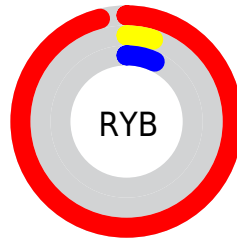
Distribution



Red (96%)

Green (5%)

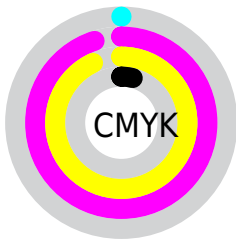
Blue (7%)



Red (96%)

Yellow (5%)

Blue (7%)

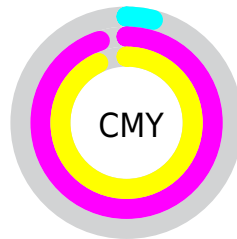


Cyan (0%)

Magenta (95%)

Yellow (93%)

Black (4%)



Cyan (4%)


Magenta (95%)


Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.5365, 0.6320, 0.3289 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 19.5365, 0.6320, 0.3289 by changing the saturation by 10% instead.


 19.5365, 0.6320,
0.3289


 19.5365, 0.6320,
0.3289


249.3947, 0.4647,
0.3545


 12.0586, 0.6684,
0.3124


 42.6387, 0.5737,
0.3459


 6.7836, 0.7124,
0.2876


 59.0318, 0.5506,
0.3500


 3.3271, 0.7539,
0.2461

 79.1654, 0.5308,
0.3524

 1.3048, 0.8107,
0.1893

 103.4239, 0.5138,
0.3538

 0.1449, 0.9479,
0.0521

 132.1917, 0.4990,
0.3545


 0.0000, 1.0000,
0.0000


 165.8531, 0.4861,


 0.0000, 0.0000,

0.3548


0.0000

 204.7927, 0.4747,
0.3547


 19.5365, 0.6320,
0.3289

 19.5365, 0.6320,
0.3289


 19.2441, 0.6385,
0.3291

 20.6822, 0.6079,
0.3278

 22.9350, 0.5691,
0.3270

 26.4872, 0.5224,
0.3266

 31.4944, 0.4749,
0.3266

 38.0905, 0.4317,
0.3268

■ 46.3940, 0.3949,
0.3272

■ 56.5123, 0.3647,
0.3277

■ 68.5439, 0.3404,
0.3283

■ 82.5803, 0.3210,
0.3288

Harmonies

Analogous

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



19.5365, 0.5646, 0.2505



19.5365, 0.6320, 0.3289



19.5365, 0.5748, 0.4252

Triad

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



19.5365, 0.6320, 0.3289



19.5365, 0.1852, 0.6012



19.5365, 0.1244, 0.1135

Complementary

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



19.5365, 0.6320, 0.3289



71.0147, 0.2269, 0.3350

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.



19.5365, 0.0817, 0.1281



19.5365, 0.6320, 0.3289



19.5365, 0.0999, 0.3549

Square

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



19.5365, 0.6320, 0.3289



19.5365, 0.3112, 0.6611



19.5365, 0.0725, 0.1917



19.5365, 0.2189, 0.1304

Rectangle

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



19.5365, 0.6320, 0.3289



19.5365, 0.4948, 0.5052



19.5365, 0.0725, 0.1917



19.5365, 0.1057, 0.1146

Sweetspot

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



19.5378, 0.6320, 0.3289



57.7313, 0.3761, 0.3275



24.6747, 0.3129, 0.1509



11.3552, 0.3893, 0.3273



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.



19.5378, 0.6320, 0.3289



21.2719, 0.6386, 0.3291



32.7651, 0.5432, 0.4033



16.4882, 0.3290, 0.3285



10.4666, 0.6379, 0.3287



0.9219, 0.6322, 0.3256

Inverse Universe

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



19.5378, 0.6320, 0.3289



21.2719, 0.6386, 0.3291



24.1521, 0.1826, 0.1746



16.4882, 0.3290, 0.3285



10.4666, 0.6379, 0.3287



0.9219, 0.6322, 0.3256

Previews

White Background



This preview shows how the Yxy color 19.5365, 0.6320, 0.3289 looks on a white background.

Color Contrast Check

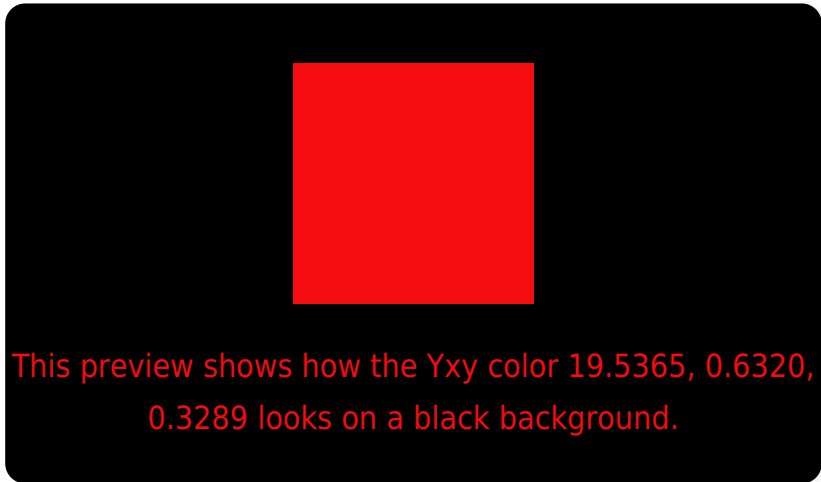
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



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 19.5365, 0.6320, 0.3289

Background



This preview shows how black text looks on a background with the Yxy color 19.5365, 0.6320, 0.3289.



This preview shows how white text looks on a background with the Yxy color 19.5365, 0.6320, 0.3289.

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

19.5365, 0.6320, 0.3289

Protanopia

19.9651, 0.4214, 0.4660

Deuteranopia

19.7905, 0.4709, 0.4643



Tritanopia

19.6285, 0.6345, 0.3344

Trichromacy



Original Color

19.5365, 0.6320, 0.3289

Protanomaly

15.6326, 0.5330, 0.3880

Deuteranomaly

16.2965, 0.5619, 0.3886

Tritanomaly

19.5004, 0.6341, 0.3323

Monochromacy



Original Color

19.5365, 0.6320, 0.3289

Achromatopsia

8.4376, 0.3127, 0.3290

Achromatomaly

8.8945, 0.4870, 0.3279

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.5365, 0.6320, 0.3289 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, 12, 17)` looks like.

```
.text, #text, p{  
    color:rgb(244, 12, 17)  
}
```

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, 12, 17) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 12, 17) }
```

Border

The CSS property to change the border of an element to Yxy 19.5365, 0.6320, 0.3289 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, 12, 17) }
```

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

```
.border{ border-color:rgb(244, 12, 17) }
```

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

Here you see how a box with a 4 pixel rgb(244, 12, 17) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 12, 17); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 12, 17);  
box-shadow:4px 4px 4px 4px rgb(244, 12,  
17) }
```


Background

The CSS property to change the background color of an element to Yxy 19.5365, 0.6320, 0.3289 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 12, 17) }
```

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

```
.background{ background-color: rgb(244, 12,  
17) }
```

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