

Converting Colors

$Yxy(19.1166, 0.6149, 0.3216)$

Have a look what the booklet for
Yxy(19.1166, 0.6149, 0.3216)
contains.

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Color

Yxy(19.1111, 0.6149, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	F01228
RGB	240, 18, 40
RGB Percent	94%, 7%, 16%
CMY	0.0587, 0.9297, 0.8430
CMYK	0.00, 0.93, 0.83, 0.06
HSL	354°, 88%, 51%
HSV	354°, 93%, 94%
XYZ	36.5405, 19.1111, 3.7735
YIQ	86.8860, 125.2500, 53.9060

Conversions

Conversions Part 2

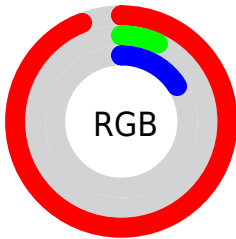
Format	Color
R_{YB}	240, 18, 40
Decimal	15733288
CIE Lab	50.82, 75.56, 50.00
CIE LCh	51, 90.603, 33.491
Yxy	19.1111, 0.6149, 0.3216
Android (android.graphics.Color)	4293923368 (0xFFFF01228)
YUV	86.8860, -23.1148, 134.2810
Hunter-Lab	43.7162, 72.6968, 25.4836

Details

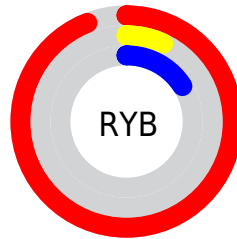
The Yxy color **19.1111, 0.6149, 0.3216** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **67.5172, 0.2337, 0.3581**, and the grayscale version is **9.5265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6835, 0.5232, 0.3392**, and **8.9987, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **18.5945, 0.6307, 0.3248**, and if you desaturate by 10%, it is **20.5231, 0.5821, 0.3175**.

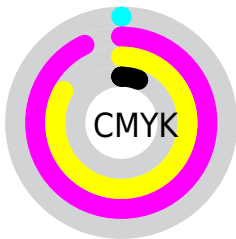
Distribution



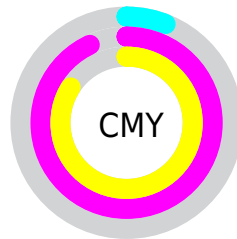
- Red (94%)
- Green (7%)
- Blue (16%)



- Red (94%)
- Yellow (7%)
- Blue (16%)



- Cyan (0%)
- Magenta (93%)
- Yellow (83%)
- Black (6%)





- Cyan (6%)
- Magenta (93%)
- Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1111, 0.6149, 0.3216 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 19.1111, 0.6149, 0.3216 by changing the saturation by 10% instead.

 19.1111, 0.6149,
0.3216


 19.1111, 0.6149,
0.3216


247.0614, 0.4511,
0.3453


 11.7506, 0.6538,
0.3070


 41.9217, 0.5553,
0.3365

 6.5741, 0.7049,
0.2856


 58.1407, 0.5326,
0.3401

 3.1972, 0.7535,
0.2465

 78.0812, 0.5134,
0.3424

 1.2355, 0.8113,
0.1887

 102.1277, 0.4971,
0.3438

 0.0904, 0.9646,
0.0354

 130.6646, 0.4831,
0.3447

 0.0000, 1.0000,
0.0000

 164.0762, 0.4710,

 0.0000, 0.0000,

0.3451

0.0000

202.7470, 0.4604,
0.3453

■ 19.1111, 0.6149,
0.3216

■ 19.1111, 0.6149,
0.3216

■ 18.5945, 0.6307,
0.3248


■ 20.5231, 0.5821,
0.3175

■ 23.0447, 0.5397,
0.3152


■ 26.8456, 0.4941,
0.3148


■ 32.0657, 0.4507,
0.3159

■ 38.8263, 0.4126,
0.3180

 47.2361, 0.3806,
0.3205

 57.3937, 0.3544,
0.3232

 69.3901, 0.3333,
0.3259

 83.3100, 0.3164,
0.3284

Harmonies

Analogous

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



19.1111, 0.5264, 0.2441



19.1111, 0.6149, 0.3216



19.1111, 0.5793, 0.4109

Triad

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



19.1111, 0.6149, 0.3216



19.1111, 0.2136, 0.6060



19.1111, 0.1227, 0.1220

Complementary

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



19.1111, 0.6149, 0.3216



67.5172, 0.2337, 0.3581

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.



19.1111, 0.0864, 0.1431



19.1111, 0.6149, 0.3216



19.1111, 0.1199, 0.3907

Square

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



19.1111, 0.6149, 0.3216



19.1111, 0.3394, 0.6327



19.1111, 0.0831, 0.2178



19.1111, 0.2054, 0.1337

Rectangle

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



19.1111, 0.6149, 0.3216



19.1111, 0.5136, 0.4864



19.1111, 0.0831, 0.2178



19.1111, 0.1064, 0.1249

Sweetspot

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



19.1123, 0.6149, 0.3216



59.1239, 0.3682, 0.3217



21.5987, 0.2974, 0.1434



11.6268, 0.3802, 0.3206



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.



19.1123, 0.6149, 0.3216



21.3319, 0.6311, 0.3250



29.0375, 0.5555, 0.3907



15.7844, 0.3278, 0.3267



10.1856, 0.6285, 0.3236



0.8559, 0.6039, 0.3100

Inverse Universe

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



19.1123, 0.6149, 0.3216



21.3319, 0.6311, 0.3250



28.6114, 0.1904, 0.2012



15.7844, 0.3278, 0.3267



10.1856, 0.6285, 0.3236



0.8559, 0.6039, 0.3100

Previews

White Background



This preview shows how the Yxy color 19.1111, 0.6149, 0.3216 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 19.1111, 0.6149, 0.3216 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 19.1111, 0.6149, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 19.1111, 0.6149, 0.3216.



This preview shows how white text looks on a background with the Yxy color 19.1111, 0.6149, 0.3216.

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

19.1111, 0.6149, 0.3216

Protanopia

19.4288, 0.3985, 0.4338

Deuteranopia

19.3925, 0.4660, 0.4599



Tritanopia

19.2076, 0.6295, 0.3328

Trichromacy



Original Color

19.1111, 0.6149, 0.3216

Protanomaly

15.5007, 0.5012, 0.3683

Deuteranomaly

16.1135, 0.5503, 0.3850

Tritanomaly

19.1609, 0.6258, 0.3296

Monochromacy



Original Color

19.1111, 0.6149, 0.3216

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.7271, 0.4595, 0.3157

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1111, 0.6149, 0.3216 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(240, 18, 40)` looks like.

```
.text, #text, p{  
  color:rgb(240, 18, 40)  
}
```

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(240, 18, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 18, 40) }
```

Border

The CSS property to change the border of an element to Yxy 19.1111, 0.6149, 0.3216 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(240, 18, 40) }
```

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

```
.border{ border-color:rgb(240, 18, 40) }
```

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

Here you see how a box with a 4 pixel rgb(240, 18, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 18, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 18, 40);  
box-shadow:4px 4px 4px 4px rgb(240, 18,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1111, 0.6149, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 18, 40) }
```

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

```
.background{ background-color: rgb(240, 18,  
40) }
```

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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