

Converting Colors

$Yxy(16.7973, 0.6081, 0.3180)$

Have a look what the booklet for
Yxy(16.7973, 0.6081, 0.3180)
contains.

Yxy(16.7515, 0.6076, 0.3179)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.7515, 0.6076, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	E2112C
RGB	226, 17, 44
RGB Percent	89%, 7%, 17%
CMY	0.1138, 0.9330, 0.8276
CMYK	0.00, 0.92, 0.81, 0.11
HSL	352°, 86%, 48%
HSV	352°, 92%, 89%
XYZ	32.0170, 16.7515, 3.9257
YIQ	82.5690, 115.8970, 52.7050

Conversions

Conversions Part 2

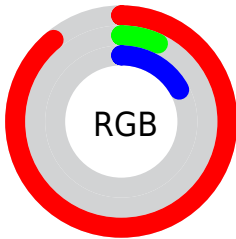
Format	Color
RYB	226, 17, 44
Decimal	14815532
CIELab	47.95, 72.27, 44.18
CIElCh	48, 84.704, 31.437
Yxy	16.7515, 0.6076, 0.3179
Android (android.graphics.Color)	4293005612 (0xFFE2112C)
YUV	82.5690, -19.0145, 125.7890
Hunter-Lab	40.9286, 68.0093, 22.9631

Details

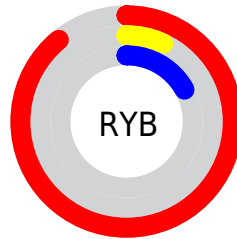
The Yxy color **16.7515, 0.6076, 0.3179** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **58.6368, 0.2362, 0.3669**, and the grayscale version is **8.5887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.1997, 0.5209, 0.3331**, and **7.5771, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.2566, 0.6257, 0.3220**, and if you desaturate by 10%, it is **18.0300, 0.5734, 0.3130**.

Distribution



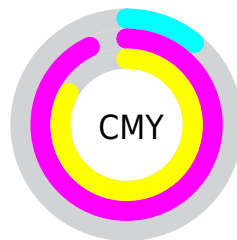
- Red (89%)
- Green (7%)
- Blue (17%)



- Red (89%)
- Yellow (7%)
- Blue (17%)



- Cyan (0%)
- Magenta (92%)
- Yellow (81%)
- Black (11%)





- Cyan (11%)
- Magenta (93%)
- Yellow (83%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.7515, 0.6076, 0.3179 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 16.7515, 0.6076, 0.3179 by changing the saturation by 10% instead.


 16.7515, 0.6076,
0.3179


 16.7515, 0.6076,
0.3179


233.7363, 0.4428,
0.3417


 10.0575, 0.6490,
0.3032


 37.8980, 0.5459,
0.3326


 5.4371, 0.7045,
0.2811

 53.1193, 0.5230,
0.3362


 2.5059, 0.7601,
0.2399

 71.9518, 0.5039,
0.3385

 0.8796, 0.8237,
0.1763

 94.7799, 0.4877,
0.3399

 0.0000, 1.0000,
0.0000

 121.9880, 0.4740,
0.3408

 0.0000, 0.0000,
0.0000

 153.9605, 0.4621,

0.3413

191.0818, 0.4518,
0.3416

■ 16.7515, 0.6076,
0.3179

■ 16.7515, 0.6076,
0.3179

■ 16.2566, 0.6257,
0.3220

■ 18.0300, 0.5734,
0.3130

■ 20.2733, 0.5311,
0.3105

■ 23.6256, 0.4867,
0.3103

■ 28.2063, 0.4450,
0.3120

■ 34.1192, 0.4084,
0.3148

■ 41.4571, 0.3777,
0.3181

■ 50.3044, 0.3527,
0.3216

■ 60.7391, 0.3324,
0.3250

■ 72.8338, 0.3162,
0.3282

Harmonies

Analogous

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



16.7515, 0.5116, 0.2409



16.7515, 0.6076, 0.3179



16.7515, 0.5809, 0.4051

Triad

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



16.7515, 0.6076, 0.3179



16.7515, 0.2248, 0.6077



16.7515, 0.1217, 0.1251

Complementary

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



16.7515, 0.6076, 0.3179



58.6368, 0.2362, 0.3669

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.



16.7515, 0.0880, 0.1491



16.7515, 0.6076, 0.3179



16.7515, 0.1280, 0.4050

Square

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



16.7515, 0.6076, 0.3179



16.7515, 0.3504, 0.6226



16.7515, 0.0873, 0.2286



16.7515, 0.2000, 0.1347

Rectangle

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



16.7515, 0.6076, 0.3179



16.7515, 0.5208, 0.4792



16.7515, 0.0873, 0.2286



16.7515, 0.1064, 0.1289

Sweetspot

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



16.7526, 0.6076, 0.3179



59.2159, 0.3664, 0.3196



17.9185, 0.2897, 0.1393



11.6481, 0.3780, 0.3181



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.



16.7526, 0.6076, 0.3179



21.3688, 0.6267, 0.3226



24.1572, 0.5632, 0.3839



13.7291, 0.3272, 0.3260



9.2847, 0.6230, 0.3206



0.6530, 0.5885, 0.3016

Inverse Universe

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



16.7526, 0.6076, 0.3179



21.3688, 0.6267, 0.3226



27.2296, 0.1937, 0.2129



13.7291, 0.3272, 0.3260



9.2847, 0.6230, 0.3206



0.6530, 0.5885, 0.3016

Previews

White Background



This preview shows how the Yxy color 16.7515, 0.6076, 0.3179 looks on a white 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

Black Background



This preview shows how the Yxy color 16.7515, 0.6076, 0.3179 looks on a black 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

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

Yxy 16.7515, 0.6076, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 16.7515, 0.6076, 0.3179.



This preview shows how white text looks on a background with the Yxy color 16.7515, 0.6076, 0.3179.

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

16.7515, 0.6076, 0.3179

Protanopia

17.1144, 0.3864, 0.4191

Deuteranopia

17.0362, 0.4589, 0.4508



Tritanopia

16.8594, 0.6267, 0.3324

Trichromacy



Original Color

16.7515, 0.6076, 0.3179

Protanomaly

13.5891, 0.4882, 0.3589

Deuteranomaly

14.2774, 0.5386, 0.3786

Tritanomaly

16.7797, 0.6222, 0.3281

Monochromacy



Original Color

16.7515, 0.6076, 0.3179

Achromatopsia

8.6500, 0.3127, 0.3290

Achromatomaly

8.7085, 0.4513, 0.3112

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.7515, 0.6076, 0.3179 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(226, 17, 44)` looks like.

```
.text, #text, p{  
    color:rgb(226, 17, 44)  
}
```

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(226, 17, 44) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 17, 44) }
```

Border

The CSS property to change the border of an element to Yxy 16.7515, 0.6076, 0.3179 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(226, 17, 44) }
```

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

```
.border{ border-color:rgb(226, 17, 44) }
```

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

Here you see how a box with a 4 pixel rgb(226, 17, 44) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 17, 44); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 17, 44);  
box-shadow:4px 4px 4px 4px rgb(226, 17,  
44) }
```


Background

The CSS property to change the background color of an element to Yxy 16.7515, 0.6076, 0.3179 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 17, 44) }
```

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

```
.background{ background-color: rgb(226, 17,  
44) }
```

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