

Converting Colors

$Y_{xy}(15.1688, 0.6047, 0.3119)$

Have a look what the booklet for
Yxy(15.1688, 0.6047, 0.3119)
contains.

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Color

Yxy(15.1975, 0.6047, 0.3118)

Conversions

Conversions Part 1

Format	Color
Hex	DA042F
RGB	218, 4, 47
RGB Percent	85%, 2%, 18%
CMY	0.1450, 0.9846, 0.8157
CMYK	0.00, 0.98, 0.78, 0.15
HSL	348°, 96%, 44%
HSV	348°, 98%, 85%
XYZ	29.4738, 15.1975, 4.0699
YIQ	72.8880, 113.7410, 58.7410

Conversions

Conversions Part 2

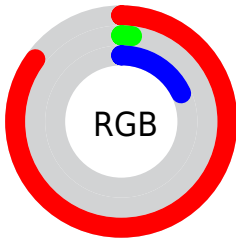
Format	Color
RYB	218, 4, 47
Decimal	14287919
CIELab	45.90, 71.60, 39.86
CIElCh	46, 81.951, 29.103
Yxy	15.1975, 0.6047, 0.3118
Android (android.graphics.Color)	4292477999 (0xFFDA042F)
YUV	72.8880, -12.7628, 127.2632
Hunter-Lab	38.9840, 66.7328, 21.0990

Details

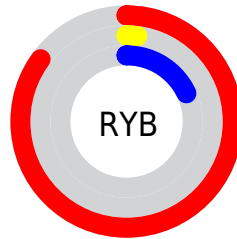
The Yxy color **15.1975, 0.6047, 0.3118** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **53.2692, 0.2430, 0.3940**, and the grayscale version is **6.6429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.3626, 0.5220, 0.3270**, and **6.8744, 0.6384, 0.3290** is the 20% darker color. If you saturate the color by 10%, you get **15.0888, 0.6094, 0.3131**, and if you desaturate by 10%, it is **16.0097, 0.5741, 0.3041**.

Distribution



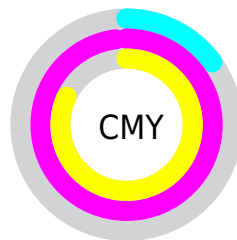
- Red (85%)
- Green (2%)
- Blue (18%)



- Red (85%)
- Yellow (2%)
- Blue (18%)



- Cyan (0%)
- Magenta (98%)
- Yellow (78%)
- Black (15%)





- Cyan (15%)
- Magenta (98%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.1975, 0.6047, 0.3118 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 15.1975, 0.6047, 0.3118 by changing the saturation by 10% instead.


 15.1975, 0.6047,
0.3118


 15.1975, 0.6047,
0.3118


224.5585, 0.4382,
0.3377

 8.9581, 0.6484,
0.2966


 35.1993, 0.5411,
0.3272

 4.7139, 0.7073,
0.2733

 49.7305, 0.5179,
0.3310

 2.0804, 0.7697,
0.2303

 67.7944, 0.4987,
0.3335

 0.6536, 0.8419,
0.1581

 89.7754, 0.4826,
0.3352

 0.0000, 1.0000,
0.0000

 116.0579, 0.4689,
0.3363

 0.0000, 0.0000,
0.0000

 147.0264, 0.4572,

0.3370

183.0651, 0.4471,
0.3374

■ 15.1975, 0.6047,
0.3118

■ 15.1975, 0.6047,
0.3118

■ 15.0888, 0.6094,
0.3131

■ 16.0097, 0.5741,
0.3041

■ 17.5904, 0.5357,
0.2994

■ 20.1108, 0.4943,
0.2982

■ 23.6895, 0.4542,
0.3000

■ 28.4273, 0.4182,
0.3038

■ 34.4131, 0.3874,
0.3088

■ 41.7273, 0.3618,
0.3142

■ 50.4434, 0.3410,
0.3197

■ 60.6295, 0.3241,
0.3250

Harmonies

Analogous

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



15.1975, 0.4993, 0.2352



15.1975, 0.6047, 0.3118



15.1975, 0.5863, 0.3975

Triad

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



15.1975, 0.6047, 0.3118



15.1975, 0.2341, 0.6167



15.1975, 0.1178, 0.1258

Complementary

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



15.1975, 0.6047, 0.3118



53.2692, 0.2430, 0.3940

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.



15.1975, 0.0869, 0.1529



15.1975, 0.6047, 0.3118



15.1975, 0.1336, 0.4226

Square

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



15.1975, 0.6047, 0.3118



15.1975, 0.3612, 0.6174



15.1975, 0.0888, 0.2385



15.1975, 0.1919, 0.1329

Rectangle

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



15.1975, 0.6047, 0.3118



15.1975, 0.5296, 0.4704



15.1975, 0.0888, 0.2385



15.1975, 0.1036, 0.1304

Sweetspot

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



15.1985, 0.6047, 0.3118



58.3104, 0.3643, 0.3137



13.8769, 0.2670, 0.1251



11.4881, 0.3749, 0.3113



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.



15.1985, 0.6047, 0.3118



21.5018, 0.6112, 0.3141



18.6498, 0.5977, 0.3618



13.0942, 0.3260, 0.3243



9.0506, 0.6062, 0.3113



0.5988, 0.5610, 0.2864

Inverse Universe

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



15.1985, 0.6047, 0.3118



21.5018, 0.6112, 0.3141



29.3233, 0.1988, 0.2349



13.0942, 0.3260, 0.3243



9.0506, 0.6062, 0.3113



0.5988, 0.5610, 0.2864

Previews

White Background



This preview shows how the Yxy color 15.1975, 0.6047, 0.3118 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 15.1975, 0.6047, 0.3118 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 15.1975, 0.6047, 0.3118

Background



This preview shows how black text looks on a background with the Yxy color 15.1975, 0.6047, 0.3118.



This preview shows how white text looks on a background with the Yxy color 15.1975, 0.6047, 0.3118.

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

15.1975, 0.6047, 0.3118

Protanopia

15.8298, 0.3758, 0.4075

Deuteranopia

15.6964, 0.4533, 0.4458



Tritanopia

15.2696, 0.6308, 0.3332

Trichromacy



Original Color

15.1975, 0.6047, 0.3118

Protanomaly

12.0615, 0.4818, 0.3434

Deuteranomaly

12.5926, 0.5401, 0.3666

Tritanomaly

15.1237, 0.6260, 0.3274

Monochromacy



Original Color

15.1975, 0.6047, 0.3118

Achromatopsia

6.6626, 0.3127, 0.3290

Achromatomaly

6.9197, 0.4576, 0.2991

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.1975, 0.6047, 0.3118 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(218, 4, 47)` looks like.

```
.text, #text, p{  
    color:rgb(218, 4, 47)  
}
```

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(218, 4, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 4, 47) }
```

Border

The CSS property to change the border of an element to Yxy 15.1975, 0.6047, 0.3118 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(218, 4, 47) }
```

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

```
.border{ border-color:rgb(218, 4, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 4, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 4, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 4, 47);  
box-shadow:4px 4px 4px 4px rgb(218, 4, 47)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.1975, 0.6047, 0.3118 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 4, 47) }
```

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

```
.background{ background-color: rgb(218, 4,  
47) }
```

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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