

Converting Colors

$Yxy(15.2536, 0.6152, 0.3163)$

Have a look what the booklet for
Yxy(15.2536, 0.6152, 0.3163)
contains.

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Color

Yxy(15.2066, 0.6152, 0.3163)

Conversions

Conversions Part 1

Format	Color
Hex	DB0027
RGB	219, 0, 39
RGB Percent	86%, 0%, 15%
CMY	0.1412, 0.9994, 0.8472
CMYK	0.00, 1.00, 0.82, 0.14
HSL	349°, 100%, 43%
HSV	349°, 100%, 86%
XYZ	29.5767, 15.2066, 3.2932
YIQ	69.9270, 118.0050, 58.5570

Conversions

Conversions Part 2

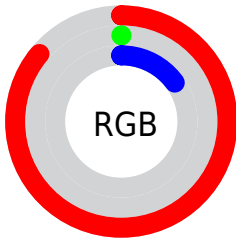
Format	Color
RYB	219, 0, 39
Decimal	14352423
CIELab	45.92, 71.94, 44.44
CIElCh	46, 84.562, 31.702
Yxy	15.2066, 0.6152, 0.3163
Android (android.graphics.Color)	4292542503 (0xFFDB0027)
YUV	69.9270, -15.2470, 130.7370
Hunter-Lab	38.9956, 67.1429, 22.2898

Details

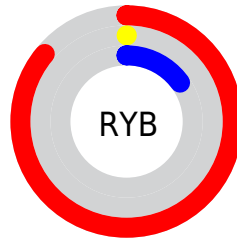
The Yxy color **15.2066, 0.6152, 0.3163** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.9593, 0.2408, 0.3869**, and the grayscale version is **6.1365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0606, 0.5323, 0.3330**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.2037, 0.6153, 0.3163**, and if you desaturate by 10%, it is **15.9289, 0.5869, 0.3092**.

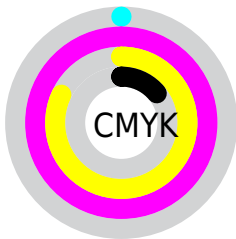
Distribution



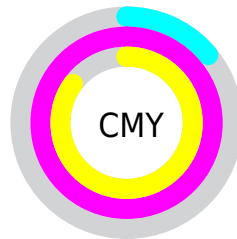
- Red (86%)
- Green (0%)
- Blue (15%)



- Red (86%)
- Yellow (0%)
- Blue (15%)



- Cyan (0%)
- Magenta (100%)
- Yellow (82%)
- Black (14%)





- Cyan (14%)
- Magenta (100%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.2066, 0.6152, 0.3163 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 15.2066, 0.6152, 0.3163 by changing the saturation by 10% instead.


 15.2066, 0.6152,
0.3163


 15.2066, 0.6152,
0.3163


224.6133, 0.4446,
0.3421


 8.9645, 0.6582,
0.3001


 35.2152, 0.5511,
0.3324


 4.7180, 0.7213,
0.2776

 49.7505, 0.5273,
0.3363

 2.0828, 0.7705,
0.2295

 67.8190, 0.5075,
0.3387

 0.6549, 0.8425,
0.1575

 89.8051, 0.4908,
0.3403


 0.0000, 1.0000,
0.0000


 116.0932, 0.4766,
0.3412

 0.0000, 0.0000,
0.0000


 147.0677, 0.4644,


0.3418


 183.1129, 0.4538,
0.3420

 15.2066, 0.6152,
0.3163


 15.2066, 0.6152,
0.3163


 15.2037, 0.6153,
0.3163

 15.9289, 0.5869,
0.3092

 17.3632, 0.5496,
0.3041

 19.7265, 0.5075,
0.3022

 23.1431, 0.4657,
0.3032

 27.7181, 0.4276,
0.3062

■ 33.5435, 0.3949,
0.3104

■ 40.7025, 0.3675,
0.3151

■ 49.2706, 0.3452,
0.3200

■ 59.3180, 0.3272,
0.3246

Harmonies

Analogous

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



15.2066, 0.5186, 0.2390



15.2066, 0.6152, 0.3163



15.2066, 0.5860, 0.4052

Triad

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



15.2066, 0.6152, 0.3163



15.2066, 0.2197, 0.6167



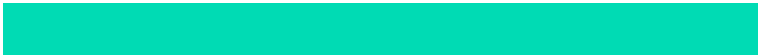
15.2066, 0.1186, 0.1213

Complementary

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



15.2066, 0.6152, 0.3163



53.9593, 0.2408, 0.3869

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.



15.2066, 0.0844, 0.1447



15.2066, 0.6152, 0.3163



15.2066, 0.1227, 0.4047

Square

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



15.2066, 0.6152, 0.3163



15.2066, 0.3475, 0.6315



15.2066, 0.0830, 0.2240



15.2066, 0.1981, 0.1313

Rectangle

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



15.2066, 0.6152, 0.3163



15.2066, 0.5208, 0.4792



15.2066, 0.0830, 0.2240



15.2066, 0.1032, 0.1249

Sweetspot

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



15.2076, 0.6152, 0.3163



57.1091, 0.3683, 0.3150



14.6847, 0.2744, 0.1286



11.2588, 0.3794, 0.3129



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.



15.2076, 0.6152, 0.3163



21.4513, 0.6170, 0.3172



19.3696, 0.5938, 0.3667



13.0891, 0.3264, 0.3249



9.0276, 0.6123, 0.3147



0.5964, 0.5690, 0.2908

Inverse Universe

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



15.2076, 0.6152, 0.3163



21.4513, 0.6170, 0.3172



26.8277, 0.1947, 0.2210



13.0891, 0.3264, 0.3249



9.0276, 0.6123, 0.3147



0.5964, 0.5690, 0.2908

Previews

White Background



This preview shows how the Yxy color 15.2066, 0.6152, 0.3163 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 15.2066, 0.6152, 0.3163 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 15.2066, 0.6152, 0.3163

Background



This preview shows how black text looks on a background with the Yxy color 15.2066, 0.6152, 0.3163.



This preview shows how white text looks on a background with the Yxy color 15.2066, 0.6152, 0.3163.

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

15.2066, 0.6152, 0.3163

Protanopia

15.8543, 0.3911, 0.4252

Deuteranopia

15.7256, 0.4631, 0.4556



Tritanopia

15.3712, 0.6343, 0.3345

Trichromacy



Original Color

15.2066, 0.6152, 0.3163

Protanomaly

11.9409, 0.4996, 0.3546

Deuteranomaly

12.5239, 0.5540, 0.3739

Tritanomaly

15.2001, 0.6312, 0.3294

Monochromacy



Original Color

15.2066, 0.6152, 0.3163

Achromatopsia

6.1246, 0.3127, 0.3290

Achromatomaly

6.4776, 0.4697, 0.3030

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.2066, 0.6152, 0.3163 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(219, 0, 39)` looks like.

```
.text, #text, p{  
    color:rgb(219, 0, 39)  
}
```

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(219, 0, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 0, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.2066, 0.6152, 0.3163 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(219, 0, 39) }
```

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

```
.border{ border-color:rgb(219, 0, 39) }
```

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

Here you see how a box with a 4 pixel rgb(219, 0, 39) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 0, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 0, 39);  
box-shadow:4px 4px 4px 4px rgb(219, 0, 39)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.2066, 0.6152, 0.3163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 0, 39) }
```

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

```
.background{ background-color: rgb(219, 0,  
39) }
```

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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