

Converting Colors

$Y_{xy}(13.1037, 0.6400, 0.2976)$

Have a look what the booklet for
Yxy(13.1037, 0.6400, 0.2976)
contains.

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Color

Yxy(15.0328, 0.6181, 0.3179)

Conversions

Conversions Part 1

Format	Color
Hex	DA0024
RGB	218, 0, 36
RGB Percent	85%, 0%, 14%
CMY	0.1451, 0.9994, 0.8590
CMYK	0.00, 1.00, 0.84, 0.15
HSL	350°, 100%, 43%
HSV	350°, 100%, 85%
XYZ	29.2286, 15.0328, 3.0264
YIQ	69.2860, 118.3720, 57.4120

Conversions

Conversions Part 2

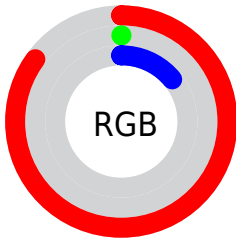
Format	Color
RYB	218, 0, 36
Decimal	14286884
CIELab	45.68, 71.63, 45.76
CIElCh	46, 85.000, 32.572
Yxy	15.0328, 0.6181, 0.3179
Android (android.graphics.Color)	4292476964 (0xFFDA0024)
YUV	69.2860, -16.4100, 130.4222
Hunter-Lab	38.7722, 66.7120, 22.5125

Details

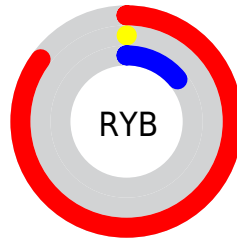
The Yxy color **15.0328, 0.6181, 0.3179** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **53.5220, 0.2396, 0.3824**, and the grayscale version is **6.0269, 0.3127, 0.3290**.

A 20% lighter version of the original color is **29.0140, 0.5357, 0.3355**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.0298, 0.6182, 0.3179**, and if you desaturate by 10%, it is **15.7432, 0.5904, 0.3112**.

Distribution



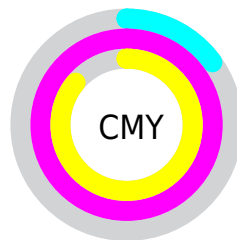
- Red (85%)
- Green (0%)
- Blue (14%)



- Red (85%)
- Yellow (0%)
- Blue (14%)



- Cyan (0%)
- Magenta (100%)
- Yellow (84%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (86%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.0328, 0.6181, 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 15.0328, 0.6181, 0.3179 by changing the saturation by 10% instead.


 15.0328, 0.6181,
0.3179


 15.0328, 0.6181,
0.3179


223.5647, 0.4462,
0.3437

 8.8424, 0.6610,
0.3013


 34.9107, 0.5538,
0.3343


 4.6385, 0.7223,
0.2777

 49.3670, 0.5298,
0.3382


 2.0368, 0.7711,
0.2289

 67.3474, 0.5098,
0.3406

 0.6287, 0.8447,
0.1553

 89.2363, 0.4929,
0.3421


 0.0000, 1.0000,
0.0000


 115.4181, 0.4786,
0.3429


 0.0000, 0.0000,
0.0000


 146.2771, 0.4662,

0.3434


 182.1979, 0.4556,
0.3436


 15.0328, 0.6181,
0.3179

 15.0328, 0.6181,
0.3179


 15.0298, 0.6182,
0.3179

 15.7432, 0.5904,
0.3112

 17.1589, 0.5531,
0.3063

 19.4954, 0.5106,
0.3044

 22.8758, 0.4682,
0.3052

 27.4043, 0.4295,
0.3079

■ 33.1723, 0.3962,
0.3118

■ 40.2619, 0.3684,
0.3162

■ 48.7483, 0.3457,
0.3206

■ 58.7010, 0.3274,
0.3250

Harmonies

Analogous

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



15.0328, 0.5249, 0.2404



15.0328, 0.6181, 0.3179



15.0328, 0.5857, 0.4080

Triad

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



15.0328, 0.6181, 0.3179



15.0328, 0.2151, 0.6158



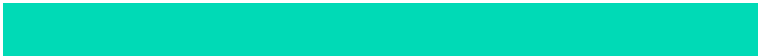
15.0328, 0.1191, 0.1201

Complementary

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



15.0328, 0.6181, 0.3179



53.5220, 0.2396, 0.3824

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.



15.0328, 0.0839, 0.1423



15.0328, 0.6181, 0.3179



15.0328, 0.1194, 0.3984

Square

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



15.0328, 0.6181, 0.3179



15.0328, 0.3430, 0.6360



15.0328, 0.0813, 0.2195



15.0328, 0.2005, 0.1310

Rectangle

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



15.0328, 0.6181, 0.3179



15.0328, 0.5177, 0.4823



15.0328, 0.0813, 0.2195



15.0328, 0.1033, 0.1233

Sweetspot

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



15.0338, 0.6181, 0.3179



57.0650, 0.3692, 0.3160



14.9708, 0.2787, 0.1309



11.2486, 0.3805, 0.3141



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.



15.0338, 0.6181, 0.3179



21.4265, 0.6198, 0.3188



19.6376, 0.5895, 0.3701



13.0863, 0.3266, 0.3252



9.0162, 0.6154, 0.3164



0.5951, 0.5735, 0.2933

Inverse Universe

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



15.0338, 0.6181, 0.3179



21.4265, 0.6198, 0.3188



25.4277, 0.1931, 0.2150



13.0863, 0.3266, 0.3252



9.0162, 0.6154, 0.3164



0.5951, 0.5735, 0.2933

Previews

White Background



This preview shows how the Yxy color 15.0328, 0.6181, 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 15.0328, 0.6181, 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 15.0328, 0.6181, 0.3179

Background



This preview shows how black text looks on a background with the Yxy color 15.0328, 0.6181, 0.3179.



This preview shows how white text looks on a background with the Yxy color 15.0328, 0.6181, 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

15.0328, 0.6181, 0.3179

Protanopia

15.5949, 0.3967, 0.4306

Deuteranopia

15.6163, 0.4652, 0.4610



Tritanopia

15.2520, 0.6338, 0.3349

Trichromacy



Original Color

15.0328, 0.6181, 0.3179

Protanomaly

11.7787, 0.5073, 0.3584

Deuteranomaly

12.3896, 0.5580, 0.3782

Tritanomaly

15.0686, 0.6313, 0.3299

Monochromacy



Original Color

15.0328, 0.6181, 0.3179

Achromatopsia

5.9511, 0.3127, 0.3290

Achromatomaly

6.3077, 0.4741, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.0328, 0.6181, 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(218, 0, 36)` looks like.

```
.text, #text, p{  
  color:rgb(218, 0, 36)  
}
```

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, 0, 36) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 0, 36) }
```

Border

The CSS property to change the border of an element to Yxy 15.0328, 0.6181, 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(218, 0, 36) }
```

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

```
.border{ border-color:rgb(218, 0, 36) }
```

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

Here you see how a box with a 4 pixel rgb(218, 0, 36) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 0, 36); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 0, 36);  
box-shadow:4px 4px 4px 4px rgb(218, 0, 36)  
}
```


Background

The CSS property to change the background color of an element to Yxy 15.0328, 0.6181, 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(218, 0, 36) }
```

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

```
.background{ background-color: rgb(218, 0,  
36) }
```

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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