

Converting Colors

$Y_{xy}(15.9575, 0.6055, 0.3251)$

Have a look what the booklet for
Yxy(15.9575, 0.6055, 0.3251)
contains.

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Color

Yxy(15.9805, 0.6050, 0.3251)

Conversions

Conversions Part 1

Format	Color
Hex	DA1E27
RGB	218, 30, 39
RGB Percent	85%, 12%, 15%
CMY	0.1452, 0.8820, 0.8471
CMYK	0.00, 0.86, 0.82, 0.15
HSL	357°, 76%, 49%
HSV	357°, 86%, 85%
XYZ	29.7392, 15.9805, 3.4360
YIQ	87.2380, 109.1590, 42.6550

Conversions

Conversions Part 2

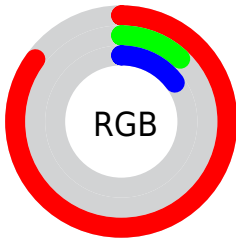
Format	Color
RYB	218, 30, 39
Decimal	14294567
CIELab	46.95, 68.11, 45.33
CIELCh	47, 81.817, 33.645
Yxy	15.9805, 0.6050, 0.3251
Android (android.graphics.Color)	4292484647 (0xFFDA1E27)
YUV	87.2380, -23.7813, 114.6783
Hunter-Lab	39.9756, 62.8346, 22.8868

Details

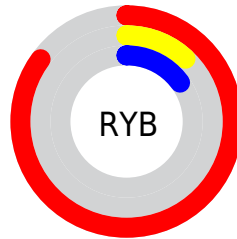
The Yxy color **15.9805, 0.6050, 0.3251** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **55.0158, 0.2303, 0.3414**, and the grayscale version is **9.6295, 0.3127, 0.3290**.

A 20% lighter version of the original color is **30.6673, 0.5243, 0.3400**, and **6.8700, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.1264, 0.6300, 0.3274**, and if you desaturate by 10%, it is **17.6715, 0.5663, 0.3235**.

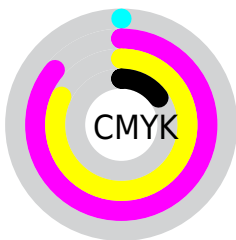
Distribution



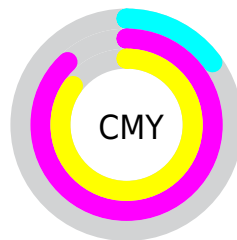
- Red (85%)
- Green (12%)
- Blue (15%)



- Red (85%)
- Yellow (12%)
- Blue (15%)



- Cyan (0%)
- Magenta (86%)
- Yellow (82%)
- Black (15%)





- Cyan (15%)
- Magenta (88%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9805, 0.6050, 0.3251 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 15.9805, 0.6050, 0.3251 by changing the saturation by 10% instead.


 15.9805, 0.6050,
0.3251


 15.9805, 0.6050,
0.3251


229.2266, 0.4410,
0.3454


 9.5104, 0.6462,
0.3106


 36.5643, 0.5435,
0.3389


 5.0755, 0.7055,
0.2900

 51.4468, 0.5206,
0.3420


 2.2917, 0.7548,
0.2452

 69.9022, 0.5016,
0.3438

 0.7693, 0.8216,
0.1784

 92.3149, 0.4855,
0.3449


 0.0000, 1.0000,
0.0000


 119.0693, 0.4719,
0.3454


 0.0000, 0.0000,
0.0000

 150.5498, 0.4601,


0.3456

 187.1408, 0.4499,
0.3456


 15.9805, 0.6050,
0.3251


 15.9805, 0.6050,
0.3251


 15.1264, 0.6300,
0.3274

 17.6715, 0.5663,
0.3235


 14.9247, 0.6360,
0.3277


 20.3444, 0.5204,
0.3227

 24.1187, 0.4740,
0.3229


 29.0962, 0.4317,
0.3236

 35.3672, 0.3956,
0.3247

 43.0133, 0.3659,
0.3259

 52.1094, 0.3419,
0.3271

 62.7249, 0.3227,
0.3283

 74.9249, 0.3073,
0.3294

Harmonies

Analogous

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



15.9805, 0.5190, 0.2480



15.9805, 0.6050, 0.3251



15.9805, 0.5728, 0.4134

Triad

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



15.9805, 0.6050, 0.3251



15.9805, 0.2186, 0.5917



15.9805, 0.1279, 0.1271

Complementary

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



15.9805, 0.6050, 0.3251



55.0158, 0.2303, 0.3414

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.



15.9805, 0.0916, 0.1484



15.9805, 0.6050, 0.3251



15.9805, 0.1260, 0.3879

Square

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



15.9805, 0.6050, 0.3251



15.9805, 0.3421, 0.6229



15.9805, 0.0887, 0.2221



15.9805, 0.2097, 0.1388

Rectangle

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



15.9805, 0.6050, 0.3251



15.9805, 0.5119, 0.4881



15.9805, 0.0887, 0.2221



15.9805, 0.1117, 0.1301

Sweetspot

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



15.9815, 0.6050, 0.3251



61.3250, 0.3660, 0.3259



19.4885, 0.3099, 0.1537



12.2615, 0.3757, 0.3255



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.



15.9815, 0.6050, 0.3251



21.2868, 0.6367, 0.3281



27.1754, 0.5256, 0.4054



13.0615, 0.3284, 0.3279



8.9479, 0.6347, 0.3270



0.5833, 0.6188, 0.3183

Inverse Universe

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



15.9815, 0.6050, 0.3251



21.2868, 0.6367, 0.3281



22.2305, 0.1909, 0.1962



13.0615, 0.3284, 0.3279



8.9479, 0.6347, 0.3270



0.5833, 0.6188, 0.3183

Previews

White Background



This preview shows how the Yxy color 15.9805, 0.6050, 0.3251 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



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 15.9805, 0.6050, 0.3251

Background



This preview shows how black text looks on a background with the Yxy color 15.9805, 0.6050, 0.3251.



This preview shows how white text looks on a background with the Yxy color 15.9805, 0.6050, 0.3251.

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

15.9805, 0.6050, 0.3251

Protanopia

16.1997, 0.3954, 0.4293

Deuteranopia

16.3167, 0.4620, 0.4558



Tritanopia

16.0272, 0.6130, 0.3313

Trichromacy



Original Color

15.9805, 0.6050, 0.3251

Protanomaly

13.5516, 0.4897, 0.3742

Deuteranomaly

14.2171, 0.5356, 0.3891

Tritanomaly

15.9952, 0.6102, 0.3289

Monochromacy



Original Color

15.9805, 0.6050, 0.3251

Achromatopsia

9.5307, 0.3127, 0.3290

Achromatomaly

9.4895, 0.4426, 0.3220

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9805, 0.6050, 0.3251 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, 30, 39)` looks like.

```
.text, #text, p{  
    color:rgb(218, 30, 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(218, 30, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 30, 39) }
```

Border

The CSS property to change the border of an element to Yxy 15.9805, 0.6050, 0.3251 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, 30, 39) }
```

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

```
.border{ border-color:rgb(218, 30, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 30, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 30, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 30, 39);  
box-shadow:4px 4px 4px 4px rgb(218, 30,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9805, 0.6050, 0.3251 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 30, 39) }
```

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

```
.background{ background-color: rgb(218, 30,  
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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