

Converting Colors

$Y_{xy}(16.5686, 0.6029, 0.3276)$

Have a look what the booklet for
Yxy(16.5686, 0.6029, 0.3276)
contains.

Yxy(16.5642, 0.6029, 0.3276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.5642, 0.6029, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	DC2327
RGB	220, 35, 39
RGB Percent	86%, 14%, 15%
CMY	0.1372, 0.8627, 0.8469
CMYK	0.00, 0.84, 0.82, 0.14
HSL	359°, 73%, 50%
HSV	359°, 84%, 86%
XYZ	30.4840, 16.5642, 3.5141
YIQ	90.7710, 108.9760, 40.4640

Conversions

Conversions Part 2

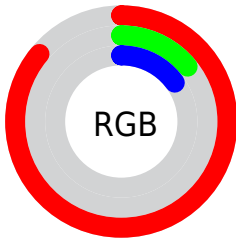
Format	Color
RYB	220, 35, 39
Decimal	14426919
CIELab	47.71, 67.66, 46.16
CIElCh	48, 81.905, 34.305
Yxy	16.5642, 0.6029, 0.3276
Android (android.graphics.Color)	4292616999 (0xFFDC2327)
YUV	90.7710, -25.5231, 113.3338
Hunter-Lab	40.6991, 62.4745, 23.3701

Details

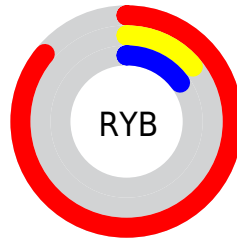
The Yxy color **16.5642, 0.6029, 0.3276** is a dark color, and the websafe version is hex **FF3333**. The color can be described as dark washed red. A complement of this color would be **56.5013, 0.2289, 0.3344**, and the grayscale version is **10.4493, 0.3127, 0.3290**.

A 20% lighter version of the original color is **31.2392, 0.5220, 0.3428**, and **7.0679, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **15.5462, 0.6293, 0.3287**, and if you desaturate by 10%, it is **18.4751, 0.5627, 0.3268**.

Distribution



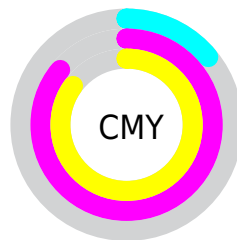
- Red (86%)
- Green (14%)
- Blue (15%)



- Red (86%)
- Yellow (14%)
- Blue (15%)



- Cyan (0%)
- Magenta (84%)
- Yellow (82%)
- Black (14%)





- Cyan (14%)
- Magenta (86%)
- Yellow (85%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.5642, 0.6029, 0.3276 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 16.5642, 0.6029, 0.3276 by changing the saturation by 10% instead.


 16.5642, 0.6029,
0.3276


 16.5642, 0.6029,
0.3276


232.6483, 0.4409,
0.3465


 9.9243, 0.6433,
0.3136


 37.5749, 0.5424,
0.3408


 5.3488, 0.7003,
0.2935

 52.7146, 0.5199,
0.3437


 2.4533, 0.7495,
0.2505

 71.4562, 0.5011,
0.3454

 0.8531, 0.8137,
0.1863

 94.1842, 0.4852,
0.3463

 0.0000, 1.0000,
0.0000

 121.2830, 0.4716,
0.3467


 0.0000, 0.0000,
0.0000

 153.1371, 0.4600,


0.3469

 190.1307, 0.4498,
0.3468


 16.5642, 0.6029,
0.3276


 16.5642, 0.6029,
0.3276


 15.5462, 0.6293,
0.3287


 18.4751, 0.5627,
0.3268

 15.2267, 0.6382,
0.3289

 21.4192, 0.5158,
0.3265

 25.5159, 0.4690,
0.3265

 30.8671, 0.4268,
0.3268

 37.5640, 0.3910,
0.3272

■ 45.6889, 0.3617,
0.3278

■ 55.3177, 0.3381,
0.3283

■ 66.5211, 0.3193,
0.3288

■ 79.3650, 0.3042,
0.3293

Harmonies

Analogous

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



16.5642, 0.5200, 0.2505



16.5642, 0.6029, 0.3276



16.5642, 0.5693, 0.4159

Triad

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



16.5642, 0.6029, 0.3276



16.5642, 0.2174, 0.5851



16.5642, 0.1304, 0.1284

Complementary

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



16.5642, 0.6029, 0.3276



56.5013, 0.2289, 0.3344

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.



16.5642, 0.0934, 0.1489



16.5642, 0.6029, 0.3276



16.5642, 0.1262, 0.3829

Square

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



16.5642, 0.6029, 0.3276



16.5642, 0.3401, 0.6216



16.5642, 0.0899, 0.2209



16.5642, 0.2131, 0.1407

Rectangle

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



16.5642, 0.6029, 0.3276



16.5642, 0.5084, 0.4901



16.5642, 0.0899, 0.2209



16.5642, 0.1139, 0.1312

Sweetspot

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



16.5652, 0.6029, 0.3276



62.4651, 0.3647, 0.3277



20.6413, 0.3136, 0.1571



12.4766, 0.3746, 0.3275



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.



16.5652, 0.6029, 0.3276



21.2722, 0.6385, 0.3291



29.0943, 0.5164, 0.4094



13.0561, 0.3288, 0.3285



8.9382, 0.6376, 0.3286



0.5807, 0.6300, 0.3244

Inverse Universe

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



16.5652, 0.6029, 0.3276



21.2722, 0.6385, 0.3291



22.4840, 0.1913, 0.1947



13.0561, 0.3288, 0.3285



8.9382, 0.6376, 0.3286



0.5807, 0.6300, 0.3244

Previews

White Background



This preview shows how the Yxy color 16.5642, 0.6029, 0.3276 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 16.5642, 0.6029, 0.3276 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 16.5642, 0.6029, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 16.5642, 0.6029, 0.3276.



This preview shows how white text looks on a background with the Yxy color 16.5642, 0.6029, 0.3276.

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

16.5642, 0.6029, 0.3276

Protanopia

16.7860, 0.3976, 0.4330

Deuteranopia

16.7049, 0.4631, 0.4553



Tritanopia

16.5929, 0.6070, 0.3309

Trichromacy



Original Color

16.5642, 0.6029, 0.3276

Protanomaly

14.2185, 0.4883, 0.3781

Deuteranomaly

14.7346, 0.5345, 0.3908

Tritanomaly

16.6048, 0.6052, 0.3299

Monochromacy



Original Color

16.5642, 0.6029, 0.3276

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

10.3776, 0.4389, 0.3275

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.5642, 0.6029, 0.3276 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(220, 35, 39)` looks like.

```
.text, #text, p{  
    color:rgb(220, 35, 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(220, 35, 39) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 35, 39) }
```

Border

The CSS property to change the border of an element to Yxy 16.5642, 0.6029, 0.3276 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(220, 35, 39) }
```

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

```
.border{ border-color:rgb(220, 35, 39) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 35, 39)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 35, 39); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 35, 39);  
box-shadow:4px 4px 4px 4px rgb(220, 35,  
39) }
```


Background

The CSS property to change the background color of an element to Yxy 16.5642, 0.6029, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 35, 39) }
```

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

```
.background{ background-color: rgb(220, 35,  
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](#).

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