

Converting Colors

$Y_{xy}(16.8616, 0.5686, 0.3098)$

Have a look what the booklet for
Yxy(16.8616, 0.5686, 0.3098)
contains.

Yxy(16.8279, 0.5682, 0.3098)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(16.8279, 0.5682, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	DB2641
RGB	219, 38, 65
RGB Percent	86%, 15%, 25%
CMY	0.1411, 0.8510, 0.7450
CMYK	0.00, 0.83, 0.70, 0.14
HSL	351°, 72%, 50%
HSV	351°, 83%, 86%
XYZ	30.8638, 16.8279, 6.6269
YIQ	95.1970, 99.2090, 46.7690

Conversions

Conversions Part 2

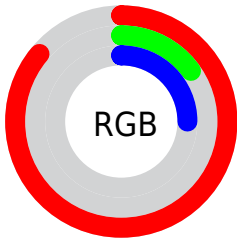
Format	Color
RYB	219, 38, 65
Decimal	14362177
CIELab	48.04, 67.62, 31.75
CIElCh	48, 74.705, 25.149
Yxy	16.8279, 0.5682, 0.3098
Android (android.graphics.Color)	4292552257 (0xFFDB2641)
YUV	95.1970, -14.8871, 108.5752
Hunter-Lab	41.0218, 62.5109, 19.1373

Details

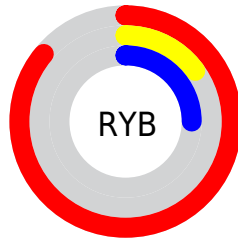
The Yxy color **16.8279, 0.5682, 0.3098** is a dark color, and the websafe version is hex **CC0033**. The color can be described as dark washed red. A complement of this color would be **54.8846, 0.2391, 0.3681**, and the grayscale version is **11.5110, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.1528, 0.4884, 0.3200**, and **7.1298, 0.6176, 0.3176** is the 20% darker color. If you saturate the color by 10%, you get **15.6352, 0.6028, 0.3152**, and if you desaturate by 10%, it is **18.9162, 0.5263, 0.3071**.

Distribution



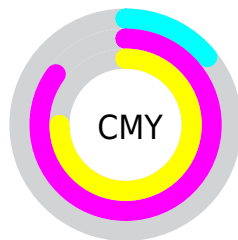
- Red (86%)
- Green (15%)
- Blue (25%)



- Red (86%)
- Yellow (15%)
- Blue (25%)



- Cyan (0%)
- Magenta (83%)
- Yellow (70%)
- Black (14%)



- Cyan (14%)
- Magenta (85%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8279, 0.5682, 0.3098 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 16.8279, 0.5682, 0.3098 by changing the saturation by 10% instead.


 16.8279, 0.5682,
0.3098


 16.8279, 0.5682,
0.3098

234.1787, 0.4218,
0.3317


 10.1119, 0.6088,
0.2982


 38.0296, 0.5112,
0.3219


 5.4732, 0.6613,
0.2789

 53.2841, 0.4908,
0.3251

 2.5275, 0.7477,
0.2523

 72.1536, 0.4741,
0.3273

 0.8904, 0.8109,
0.1891

 95.0223, 0.4601,
0.3288

 0.0000, 1.0000,
0.0000

 122.2748, 0.4483,
0.3299

 0.0000, 0.0000,
0.0000

 154.2955, 0.4381,

0.3307

191.4686, 0.4294,
0.3313

■ 16.8279, 0.5682,
0.3098

■ 16.8279, 0.5682,
0.3098

■ 15.6352, 0.6028,
0.3152

■ 18.9162, 0.5263,
0.3071

■ 15.1700, 0.6214,
0.3197


■ 22.0292, 0.4828,
0.3071

■ 26.2780, 0.4421,
0.3091

■ 31.7585, 0.4065,
0.3124

■ 38.5564, 0.3766,
0.3162

 46.7497, 0.3521,
0.3203

 56.4104, 0.3323,
0.3243

 67.6054, 0.3164,
0.3281

 80.3976, 0.3036,
0.3315

Harmonies

Analogous

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



16.8279, 0.4597, 0.2363



16.8279, 0.5682, 0.3098



16.8279, 0.5718, 0.3908

Triad

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



16.8279, 0.5682, 0.3098



16.8279, 0.2634, 0.5887



16.8279, 0.1267, 0.1429

Complementary

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



16.8279, 0.5682, 0.3098



54.8846, 0.2391, 0.3681

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.



16.8279, 0.1013, 0.1764



16.8279, 0.5682, 0.3098



16.8279, 0.1622, 0.4381

Square

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



16.8279, 0.5682, 0.3098



16.8279, 0.3825, 0.5807



16.8279, 0.1096, 0.2679



16.8279, 0.1914, 0.1453

Rectangle

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



16.8279, 0.5682, 0.3098



16.8279, 0.5268, 0.4532



16.8279, 0.1096, 0.2679



16.8279, 0.1145, 0.1494

Sweetspot

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



16.8289, 0.5682, 0.3098



62.8372, 0.3579, 0.3193



17.6880, 0.2897, 0.1456



12.5625, 0.3664, 0.3178



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.



16.8289, 0.5682, 0.3098



21.4704, 0.6207, 0.3199



24.5758, 0.5386, 0.3864



13.0831, 0.3268, 0.3255



9.0041, 0.6187, 0.3182



0.5936, 0.5788, 0.2962

Inverse Universe

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



16.8289, 0.5682, 0.3098



21.4704, 0.6207, 0.3199



29.1869, 0.2018, 0.2318



13.0831, 0.3268, 0.3255



9.0041, 0.6187, 0.3182



0.5936, 0.5788, 0.2962

Previews

White Background



This preview shows how the Yxy color 16.8279, 0.5682, 0.3098 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 16.8279, 0.5682, 0.3098 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 16.8279, 0.5682, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 16.8279, 0.5682, 0.3098.



This preview shows how white text looks on a background with the Yxy color 16.8279, 0.5682, 0.3098.

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

16.8279, 0.5682, 0.3098

Protanopia

17.1717, 0.3509, 0.3745

Deuteranopia

16.9639, 0.4301, 0.4214



Tritanopia

16.8076, 0.5929, 0.3298

Trichromacy



Original Color

16.8279, 0.5682, 0.3098

Protanomaly

14.5937, 0.4356, 0.3375

Deuteranomaly

15.0483, 0.4933, 0.3629

Tritanomaly

16.7303, 0.5850, 0.3230

Monochromacy



Original Color

16.8279, 0.5682, 0.3098

Achromatopsia

11.4435, 0.3127, 0.3290

Achromatomaly

11.1131, 0.4161, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8279, 0.5682, 0.3098 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, 38, 65)` looks like.

```
.text, #text, p{  
    color:rgb(219, 38, 65)  
}
```

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, 38, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 38, 65) }
```

Border

The CSS property to change the border of an element to Yxy 16.8279, 0.5682, 0.3098 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, 38, 65) }
```

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

```
.border{ border-color:rgb(219, 38, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 38, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 38, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 38, 65);  
box-shadow:4px 4px 4px 4px rgb(219, 38,  
65) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8279, 0.5682, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 38, 65) }
```

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

```
.background{ background-color: rgb(219, 38,  
65) }
```

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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