

Converting Colors

$Y_{xy}(16.7945, 0.6168, 0.3481)$

Have a look what the booklet for
Yxy(16.7945, 0.6168, 0.3481)
contains.

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Color

Yxy(16.8616, 0.6169, 0.3479)

Conversions

Conversions Part 1

Format	Color
Hex	DA2E01
RGB	218, 46, 1
RGB Percent	85%, 18%, 0%
CMY	0.1450, 0.8197, 0.9963
CMYK	0.00, 0.79, 1.00, 0.15
HSL	12°, 99%, 43%
HSV	12°, 100%, 85%
XYZ	29.8992, 16.8616, 1.7060
YIQ	92.2980, 116.9570, 22.4690

Conversions

Conversions Part 2

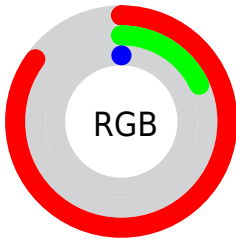
Format	Color
RYB	218, 58, 1
Decimal	14298625
CIELab	48.09, 63.82, 60.45
CIElCh	48, 87.902, 43.444
Yxy	16.8616, 0.6169, 0.3479
Android (android.graphics.Color)	4292488705 (0xFFDA2E01)
YUV	92.2980, -45.0099, 110.2407
Hunter-Lab	41.0629, 58.1114, 26.2807

Details

The Yxy color **16.8616, 0.6169, 0.3479** is a dark color, and the websafe version is hex **CC3300**. The color can be described as dark washed red. A complement of this color would be **34.9489, 0.2057, 0.2604**, and the grayscale version is **10.8581, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.0809, 0.5429, 0.3685**, and **6.7723, 0.6401, 0.3300** is the 20% darker color. If you saturate the color by 10%, you get **16.8022, 0.6179, 0.3476**, and if you desaturate by 10%, it is **18.5529, 0.5916, 0.3556**.

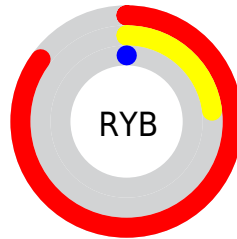
Distribution



Red (85%)

Green (18%)

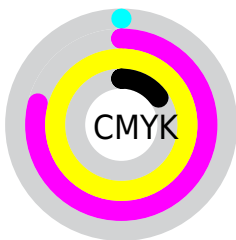
Blue (0%)



Red (85%)

Yellow (23%)

Blue (0%)

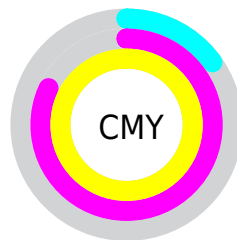


Cyan (0%)

Magenta (79%)

Yellow (100%)

Black (15%)



Cyan (15%)


Magenta (82%)


Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8616, 0.6169, 0.3479 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 16.8616, 0.6169, 0.3479 by changing the saturation by 10% instead.


 16.8616, 0.6169,
0.3479


 16.8616, 0.6169,
0.3479


 234.3736, 0.4546,
0.3632


 10.1359, 0.6547,
0.3333


 38.0877, 0.5598,
0.3621


 5.4891, 0.6938,
0.3062

 53.3568, 0.5373,
0.3646

 2.5370, 0.7372,
0.2628

 72.2425, 0.5181,
0.3657

 0.8951, 0.8001,
0.1999

 95.1292, 0.5016,
0.3660


 0.0000, 1.0000,
0.0000


 122.4012, 0.4874,
0.3656

 0.0000, 0.0000,
0.0000


 154.4430, 0.4750,


0.3650


 191.6390, 0.4641,
0.3641


 16.8616, 0.6169,
0.3479


 16.8616, 0.6169,
0.3479

 16.8022, 0.6179,
0.3476

 18.5529, 0.5916,
0.3556

 20.9108, 0.5570,
0.3607

 24.0071, 0.5167,
0.3621

 27.8990, 0.4756,
0.3603

 32.6377, 0.4370,
0.3563

■ 38.2701, 0.4029,
0.3511

■ 44.8395, 0.3737,
0.3453

■ 52.3865, 0.3492,
0.3396

■ 60.9490, 0.3289,
0.3340

Harmonies

Analogous

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



16.8616, 0.5731, 0.2685



16.8616, 0.6169, 0.3479



16.8616, 0.5522, 0.4478

Triad

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



16.8616, 0.6169, 0.3479



16.8616, 0.1750, 0.5487



16.8616, 0.1427, 0.1212

Complementary

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



16.8616, 0.6169, 0.3479



34.9489, 0.2057, 0.2604

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.



16.8616, 0.0931, 0.1303



16.8616, 0.6169, 0.3479



16.8616, 0.1001, 0.3200

Square

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



16.8616, 0.6169, 0.3479



16.8616, 0.2951, 0.6514



16.8616, 0.0791, 0.1830



16.8616, 0.2460, 0.1429

Rectangle

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



16.8616, 0.6169, 0.3479



16.8616, 0.4729, 0.5271



16.8616, 0.0791, 0.1830



16.8616, 0.1213, 0.1206

Sweetspot

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



16.8626, 0.6169, 0.3479



63.2435, 0.3756, 0.3458



18.0079, 0.3794, 0.1865



12.6568, 0.3876, 0.3482



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.



16.8626, 0.6169, 0.3479



23.7975, 0.6191, 0.3466



37.6582, 0.4848, 0.4530



13.4870, 0.3286, 0.3339



10.1901, 0.6156, 0.3494



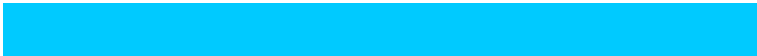
0.7852, 0.5842, 0.3743

Inverse Universe

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



34.9489, 0.2057, 0.2604



49.5061, 0.2054, 0.2595



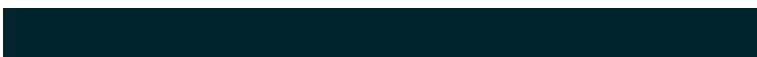
8.9736, 0.1609, 0.0987



14.3469, 0.2982, 0.3240



21.0451, 0.2059, 0.2612



1.4812, 0.2093, 0.2735

Previews

White Background



This preview shows how the Yxy color 16.8616, 0.6169, 0.3479 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 16.8616, 0.6169, 0.3479 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

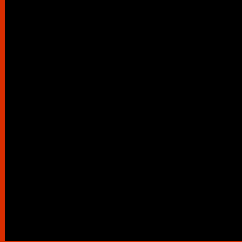
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.8616, 0.6169, 0.3479

Background



This preview shows how black text looks on a background with the Yxy color 16.8616, 0.6169, 0.3479.



This preview shows how white text looks on a background with the Yxy color 16.8616, 0.6169, 0.3479.

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

16.8616, 0.6169, 0.3479

Protanopia

17.0032, 0.4291, 0.4746

Deuteranopia

16.9570, 0.4701, 0.4649



Tritanopia

16.8076, 0.5929, 0.3298

Trichromacy



Original Color

16.8616, 0.6169, 0.3479

Protanomaly

14.9299, 0.5152, 0.4167

Deuteranomaly

15.4262, 0.5399, 0.4095

Tritanomaly

16.7906, 0.6057, 0.3387

Monochromacy



Original Color

16.8616, 0.6169, 0.3479

Achromatopsia

10.7023, 0.3127, 0.3290

Achromatomaly

10.7512, 0.4592, 0.3581

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8616, 0.6169, 0.3479 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, 46, 1)` looks like.

```
.text, #text, p{  
    color:rgb(218, 46, 1)  
}
```

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, 46, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 46, 1) }
```

Border

The CSS property to change the border of an element to Yxy 16.8616, 0.6169, 0.3479 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, 46, 1) }
```

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

```
.border{ border-color:rgb(218, 46, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 46, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 46, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 46, 1);  
box-shadow:4px 4px 4px 4px rgb(218, 46, 1)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.8616, 0.6169, 0.3479 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 46, 1) }
```

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

```
.background{ background-color: rgb(218, 46,  
1) }
```

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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