

Converting Colors

$Yxy(16.9962, 0.5296, 0.2870)$

Have a look what the booklet for
Yxy(16.9962, 0.5296, 0.2870)
contains.

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Color

Yxy(16.9962, 0.5296, 0.2870)

Conversions

Conversions Part 1

Format	Color
Hex	DA2658
RGB	218, 38, 88
RGB Percent	85%, 15%, 35%
CMY	0.1452, 0.8507, 0.6549
CMYK	0.00, 0.83, 0.60, 0.15
HSL	343°, 71%, 50%
HSV	343°, 83%, 85%
XYZ	31.3630, 16.9962, 10.8610
YIQ	97.5200, 91.2300, 53.7100

Conversions

Conversions Part 2

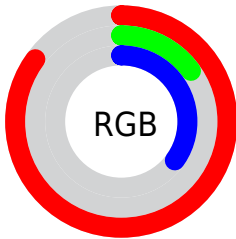
Format	Color
RYB	218, 38, 88
Decimal	14296664
CIELab	48.26, 68.55, 18.03
CIELCh	48, 70.881, 14.737
Yxy	16.9962, 0.5296, 0.2870
Android (android.graphics.Color)	4292486744 (0xFFDA2658)
YUV	97.5200, -4.6934, 105.6610
Hunter-Lab	41.2264, 63.6476, 13.2387

Details

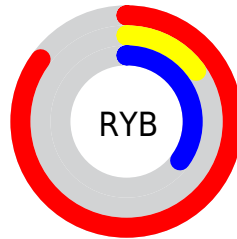
The Yxy color **16.9962, 0.5296, 0.2870** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **53.3728, 0.2496, 0.4045**, and the grayscale version is **12.0926, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9956, 0.4554, 0.2959**, and **7.2423, 0.5815, 0.2977** is the 20% darker color. If you saturate the color by 10%, you get **15.7518, 0.5643, 0.2936**, and if you desaturate by 10%, it is **19.1142, 0.4919, 0.2849**.

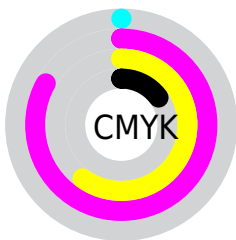
Distribution



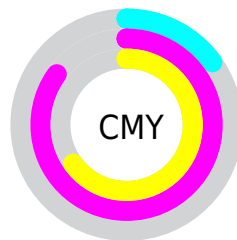
- Red (85%)
- Green (15%)
- Blue (35%)



- Red (85%)
- Yellow (15%)
- Blue (35%)



- Cyan (0%)
- Magenta (83%)
- Yellow (60%)
- Black (15%)




- Cyan (15%)
- Magenta (85%)
- Yellow (65%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9962, 0.5296, 0.2870 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 16.9962, 0.5296, 0.2870 by changing the saturation by 10% instead.


 16.9962, 0.5296,
0.2870


 16.9962, 0.5296,
0.2870

235.1505, 0.4040,
0.3167

 10.2318, 0.5665,
0.2756


 38.3192, 0.4797,
0.3005


 5.5529, 0.6165,
0.2582


 53.6467, 0.4623,
0.3046


 2.5752, 0.6861,
0.2299

 72.5972, 0.4480,
0.3079

 0.9142, 0.8118,
0.1882

 95.5552, 0.4362,
0.3104

 0.0000, 1.0000,
0.0000

 122.9052, 0.4262,
0.3124

 0.0000, 0.0000,
0.0000

 155.0315, 0.4177,

0.3141

192.3184, 0.4104,
0.3155

■ 16.9962, 0.5296,
0.2870

■ 16.9962, 0.5296,
0.2870

■ 15.7518, 0.5643,
0.2936

■ 19.1142, 0.4919,
0.2849


■ 15.2334, 0.5867,
0.3005


■ 22.2301, 0.4548,
0.2867

■ 26.4511, 0.4209,
0.2915


■ 31.8695, 0.3914,
0.2980

■ 38.5681, 0.3666,
0.3054

 46.6221, 0.3461,
0.3129

 56.1010, 0.3293,
0.3203

 67.0694, 0.3157,
0.3273

 79.5879, 0.3047,
0.3338

Harmonies

Analogous

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



16.9962, 0.4024, 0.2184



16.9962, 0.5296, 0.2870



16.9962, 0.5705, 0.3637

Triad

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



16.9962, 0.5296, 0.2870



16.9962, 0.3080, 0.5880



16.9962, 0.1209, 0.1568

Complementary

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



16.9962, 0.5296, 0.2870



53.3728, 0.2496, 0.4045

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.



16.9962, 0.1075, 0.2065



16.9962, 0.5296, 0.2870



16.9962, 0.1998, 0.4921

Square

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



16.9962, 0.5296, 0.2870



16.9962, 0.4228, 0.5444



16.9962, 0.1299, 0.3209



16.9962, 0.1697, 0.1478

Rectangle

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



16.9962, 0.5296, 0.2870



16.9962, 0.5453, 0.4204



16.9962, 0.1299, 0.3209



16.9962, 0.1128, 0.1679

Sweetspot

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



16.9972, 0.5296, 0.2870



63.2314, 0.3512, 0.3109



14.6673, 0.2625, 0.1315



12.6545, 0.3584, 0.3082



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.



16.9972, 0.5296, 0.2870



21.7914, 0.5860, 0.3008



20.3570, 0.5663, 0.3612



13.1106, 0.3248, 0.3225



9.1444, 0.5829, 0.2985



0.6069, 0.5359, 0.2726

Inverse Universe

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



16.9972, 0.5296, 0.2870



21.7914, 0.5860, 0.3008



37.7131, 0.2123, 0.2707



13.1106, 0.3248, 0.3225



9.1444, 0.5829, 0.2985



0.6069, 0.5359, 0.2726

Previews

White Background



This preview shows how the Yxy color 16.9962, 0.5296, 0.2870 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 16.9962, 0.5296, 0.2870 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

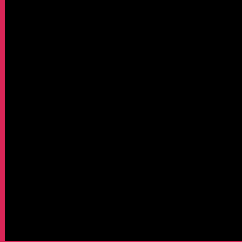
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9962, 0.5296, 0.2870

Background



This preview shows how black text looks on a background with the Yxy color 16.9962, 0.5296, 0.2870.



This preview shows how white text looks on a background with the Yxy color 16.9962, 0.5296, 0.2870.

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

16.9962, 0.5296, 0.2870

Protanopia

17.3364, 0.3033, 0.3134

Deuteranopia

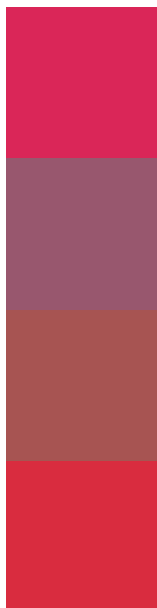
17.1196, 0.3937, 0.3858



Tritanopia

16.9346, 0.5816, 0.3291

Trichromacy



Original Color

16.9962, 0.5296, 0.2870

Protanomaly

14.6176, 0.3808, 0.2903

Deuteranomaly

15.1653, 0.4522, 0.3324

Tritanomaly

16.9120, 0.5665, 0.3150

Monochromacy



Original Color

16.9962, 0.5296, 0.2870

Achromatopsia

12.2139, 0.3127, 0.3290

Achromatomaly

11.7278, 0.3989, 0.2968

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9962, 0.5296, 0.2870 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, 38, 88)` looks like.

```
.text, #text, p{  
  color:rgb(218, 38, 88)  
}
```

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, 38, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 38, 88) }
```

Border

The CSS property to change the border of an element to Yxy 16.9962, 0.5296, 0.2870 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, 38, 88) }
```

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

```
.border{ border-color:rgb(218, 38, 88) }
```

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

Here you see how a box with a 4 pixel rgb(218, 38, 88) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 38, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 38, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 38,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9962, 0.5296, 0.2870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 38, 88) }
```

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

```
.background{ background-color: rgb(218, 38,  
88) }
```

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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