

Converting Colors

$Y_{xy}(17.1648, 0.5203, 0.2794)$

Have a look what the booklet for
Yxy(17.1648, 0.5203, 0.2794)
contains.

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Color

Yxy(17.1300, 0.5206, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	DB245E
RGB	219, 36, 94
RGB Percent	86%, 14%, 37%
CMY	0.1411, 0.8591, 0.6313
CMYK	0.00, 0.84, 0.57, 0.14
HSL	341°, 72%, 50%
HSV	341°, 84%, 86%
XYZ	31.8723, 17.1300, 12.2200
YIQ	97.3290, 90.4500, 56.8340

Conversions

Conversions Part 2

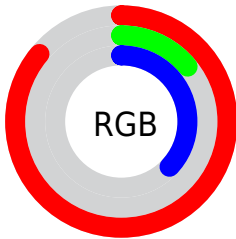
Format	Color
RYB	219, 36, 94
Decimal	14361694
CIELab	48.42, 69.69, 14.60
CIElCh	48, 71.199, 11.836
Yxy	17.1300, 0.5206, 0.2798
Android (android.graphics.Color)	4292551774 (0xFFDB245E)
YUV	97.3290, -1.6412, 106.7055
Hunter-Lab	41.3884, 65.0293, 11.4664

Details

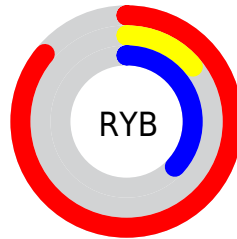
The Yxy color **17.1300, 0.5206, 0.2798** is a dark color, and the websafe version is hex **CC3366**. The color can be described as dark washed red. A complement of this color would be **53.6245, 0.2530, 0.4175**, and the grayscale version is **12.0189, 0.3127, 0.3290**.

A 20% lighter version of the original color is **32.9741, 0.4479, 0.2889**, and **7.3898, 0.5688, 0.2907** is the 20% darker color. If you saturate the color by 10%, you get **15.9452, 0.5538, 0.2868**, and if you desaturate by 10%, it is **19.1780, 0.4849, 0.2777**.

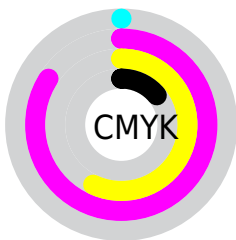
Distribution



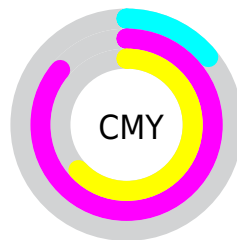
- Red (86%)
- Green (14%)
- Blue (37%)



- Red (86%)
- Yellow (14%)
- Blue (37%)



- Cyan (0%)
- Magenta (84%)
- Yellow (57%)
- Black (14%)





- Cyan (14%)
- Magenta (86%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 17.1300, 0.5206, 0.2798 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 17.1300, 0.5206, 0.2798 by changing the saturation by 10% instead.


 17.1300, 0.5206,
0.2798


 17.1300, 0.5206,
0.2798


235.9204, 0.4003,
0.3124


 10.3272, 0.5561,
0.2681


 38.5492, 0.4728,
0.2941

 5.6165, 0.6046,
0.2507

 53.9343, 0.4561,
0.2987


 2.6133, 0.6729,
0.2230

 72.9491, 0.4424,
0.3022

 0.9334, 0.8135,
0.1865

 95.9778, 0.4311,
0.3051

 0.0000, 1.0000,
0.0000

 123.4049, 0.4216,
0.3075

 0.0000, 0.0000,
0.0000

 155.6148, 0.4135,

0.3094

192.9918, 0.4064,
0.3110

■ 17.1300, 0.5206,
0.2798

■ 17.1300, 0.5206,
0.2798

■ 15.9452, 0.5538,
0.2868

■ 19.1780, 0.4849,
0.2777


■ 15.5006, 0.5728,
0.2929

■ 22.2174, 0.4498,
0.2799


■ 26.3580, 0.4177,
0.2853

■ 31.6940, 0.3897,
0.2927

■ 38.3096, 0.3659,
0.3011

 46.2812, 0.3462,
0.3097

 55.6792, 0.3300,
0.3182

 66.5691, 0.3168,
0.3262

 79.0124, 0.3061,
0.3337

Harmonies

Analogous

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



17.1300, 0.3882, 0.2124



17.1300, 0.5206, 0.2798



17.1300, 0.5715, 0.3559

Triad

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



17.1300, 0.5206, 0.2798



17.1300, 0.3191, 0.5894



17.1300, 0.1179, 0.1593

Complementary

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



17.1300, 0.5206, 0.2798



53.6245, 0.2530, 0.4175

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.



17.1300, 0.1077, 0.2141



17.1300, 0.5206, 0.2798



17.1300, 0.2089, 0.5078

Square

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



17.1300, 0.5206, 0.2798



17.1300, 0.4335, 0.5363



17.1300, 0.1342, 0.3359



17.1300, 0.1630, 0.1470

Rectangle

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



17.1300, 0.5206, 0.2798



17.1300, 0.5514, 0.4118



17.1300, 0.1342, 0.3359



17.1300, 0.1109, 0.1718

Sweetspot

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



17.1310, 0.5206, 0.2798



63.3577, 0.3491, 0.3083



13.6427, 0.2516, 0.1247



12.6841, 0.3559, 0.3053



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.



17.1310, 0.5206, 0.2798



21.8525, 0.5750, 0.2941



19.1410, 0.5798, 0.3522



13.1193, 0.3242, 0.3216



9.2058, 0.5689, 0.2908



0.6118, 0.5224, 0.2651

Inverse Universe

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



17.1310, 0.5206, 0.2798



21.8525, 0.5750, 0.2941



41.6767, 0.2155, 0.2841



13.1193, 0.3242, 0.3216



9.2058, 0.5689, 0.2908



0.6118, 0.5224, 0.2651

Previews

White Background



This preview shows how the Yxy color 17.1300, 0.5206, 0.2798 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 17.1300, 0.5206, 0.2798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

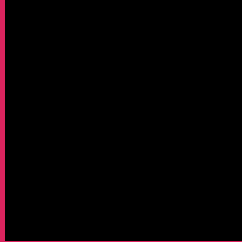
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 17.1300, 0.5206, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 17.1300, 0.5206, 0.2798.

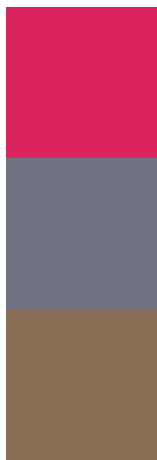


This preview shows how white text looks on a background with the Yxy color 17.1300, 0.5206, 0.2798.

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

17.1300, 0.5206, 0.2798

Protanopia

17.4109, 0.2918, 0.2982

Deuteranopia

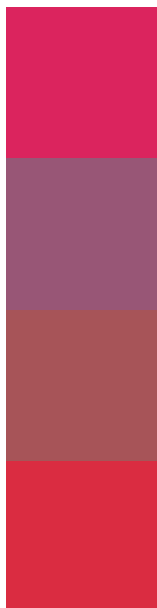
17.3431, 0.3835, 0.3771



Tritanopia

17.1701, 0.5814, 0.3298

Trichromacy



Original Color

17.1300, 0.5206, 0.2798

Protanomaly

14.6390, 0.3680, 0.2756

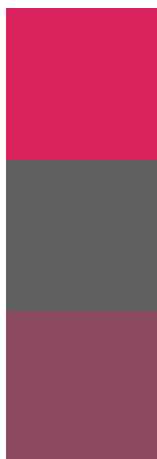
Deuteranomaly

15.2607, 0.4421, 0.3233

Tritanomaly

17.0884, 0.5642, 0.3134

Monochromacy



Original Color

17.1300, 0.5206, 0.2798

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

11.5394, 0.3940, 0.2912

CSS Examples

Text

The CSS property to change the color of the text to Yxy 17.1300, 0.5206, 0.2798 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, 36, 94)` looks like.

```
.text, #text, p{  
    color:rgb(219, 36, 94)  
}
```

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, 36, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 36, 94) }
```

Border

The CSS property to change the border of an element to Yxy 17.1300, 0.5206, 0.2798 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, 36, 94) }
```

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

```
.border{ border-color:rgb(219, 36, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 36, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 36, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 36, 94);  
box-shadow:4px 4px 4px 4px rgb(219, 36,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 17.1300, 0.5206, 0.2798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 36, 94) }
```

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

```
.background{ background-color: rgb(219, 36,  
94) }
```

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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