

Converting Colors

$Y_{xy}(27.3944, 0.3206, 0.1952)$

Have a look what the booklet for
Yxy(27.3944, 0.3206, 0.1952)
contains.

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Color

Yxy(27.5176, 0.3211, 0.1958)

Conversions

Conversions Part 1

Format	Color
Hex	DA5CD8
RGB	218, 92, 216
RGB Percent	85%, 36%, 85%
CMY	0.1452, 0.6391, 0.1530
CMYK	0.00, 0.58, 0.01, 0.15
HSL	301°, 63%, 61%
HSV	301°, 58%, 85%
XYZ	45.1272, 27.5176, 67.8945
YIQ	143.8100, 35.2920, 65.2760

Conversions

Conversions Part 2

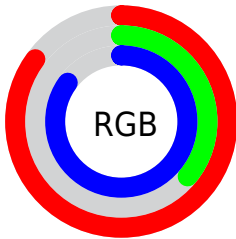
Format	Color
R _Y B	218, 92, 216
Decimal	14310616
CIE Lab	59.45, 64.85, -40.78
CIE LCh	59, 76.604, 327.837
Yxy	27.5176, 0.3211, 0.1958
Android (android.graphics.Color)	4292500696 (0xFFDA5CD8)
YUV	143.8100, 35.5897, 65.0646
Hunter-Lab	52.4572, 61.7574, -40.0181

Details

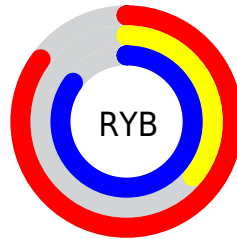
The Yxy color **27.5176, 0.3211, 0.1958** is a light color, and the websafe version is hex **CC66CC**. The color can be described as light muted magenta. A complement of this color would be **53.2117, 0.3031, 0.5121**, and the grayscale version is **27.6578, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.6598, 0.3176, 0.2257**, and **10.9255, 0.3190, 0.1631** is the 20% darker color. If you saturate the color by 10%, you get **24.2509, 0.3223, 0.1799**, and if you desaturate by 10%, it is **31.8730, 0.3197, 0.2153**.

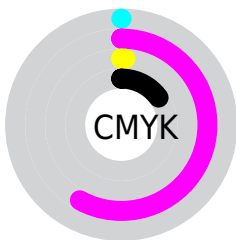
Distribution



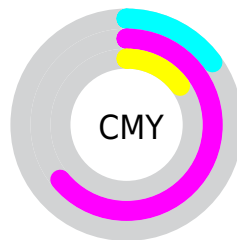
- Red (85%)
- Green (36%)
- Blue (85%)



- Red (85%)
- Yellow (36%)
- Blue (85%)



- Cyan (0%)
- Magenta (58%)
- Yellow (1%)
- Black (15%)





- Cyan (15%)
- Magenta (64%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5176, 0.3211, 0.1958 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 27.5176, 0.3211, 0.1958 by changing the saturation by 10% instead.


 27.5176, 0.3211,
0.1958


 27.5176, 0.3211,
0.1958


290.1546, 0.3197,
0.2591


 17.9623, 0.3206,
0.1813


 55.7133, 0.3212,
0.2179


 10.9229, 0.3194,
0.1636


 75.1226, 0.3211,
0.2264

 6.0150, 0.3171,
0.1415


 98.5853, 0.3209,
0.2338

 2.8542, 0.3124,
0.1137

 126.4859, 0.3207,
0.2402

 1.0561, 0.3027,
0.0791

159.2087, 0.3204,
0.2458

 0.0000, 0.2928,
0.0000

197.1382, 0.3202,


 0.0000, 0.2157,


0.2508

0.0000


240.6587, 0.3200,
0.2551

 0.0000, 0.0000,
0.0000

 27.5176, 0.3211,
0.1958


 27.5176, 0.3211,
0.1958


 24.2509, 0.3223,
0.1799


 31.8730, 0.3197,
0.2153


 21.9732, 0.3234,
0.1680


 37.3980, 0.3183,
0.2374


 20.5730, 0.3242,
0.1605

 44.1702, 0.3168,
0.2612

 19.8930, 0.3248,
0.1569

 52.2594, 0.3152,
0.2858

 19.7838, 0.3249,
0.1563

 61.7302, 0.3138,
0.3104

■ 72.6430, 0.3124,
0.3342

■ 85.0548, 0.3111,
0.3569

■ 91.5206, 0.3105,
0.3670

■ 91.5385, 0.3103,
0.3667

Harmonies

Analogous

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



27.5176, 0.2121, 0.1632



27.5176, 0.3211, 0.1958



27.5176, 0.4531, 0.2528

Triad

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



27.5176, 0.3211, 0.1958



27.5176, 0.4757, 0.4873



27.5176, 0.1265, 0.2682

Complementary

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



27.5176, 0.3211, 0.1958



53.2117, 0.3031, 0.5121

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.



27.5176, 0.1739, 0.4094



27.5176, 0.3211, 0.1958



27.5176, 0.3744, 0.5587

Square

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



27.5176, 0.3211, 0.1958



27.5176, 0.5436, 0.4013



27.5176, 0.2651, 0.5435



27.5176, 0.1200, 0.1887

Rectangle

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



27.5176, 0.3211, 0.1958



27.5176, 0.5216, 0.2991



27.5176, 0.2651, 0.5435



27.5176, 0.1372, 0.3092

Sweetspot

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



27.5188, 0.3211, 0.1958



75.3485, 0.3152, 0.2874



14.9983, 0.2010, 0.1442



15.5882, 0.3155, 0.2824



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.



27.5188, 0.3211, 0.1958



33.9029, 0.3225, 0.1774



24.9279, 0.3970, 0.2560



13.2712, 0.3140, 0.3063



11.8581, 0.3248, 0.1563



0.7694, 0.3242, 0.1559

Inverse Universe

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



27.5188, 0.3211, 0.1958



33.9029, 0.3225, 0.1774



54.7700, 0.2725, 0.4217



13.2712, 0.3140, 0.3063



11.8581, 0.3248, 0.1563



0.7694, 0.3242, 0.1559

Previews

White Background



This preview shows how the Yxy color 27.5176, 0.3211, 0.1958 looks on a white background.

Color Contrast Check

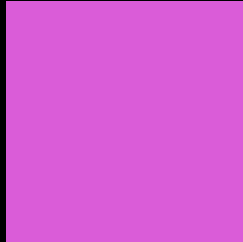
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

Black Background



This preview shows how the Yxy color 27.5176, 0.3211, 0.1958 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

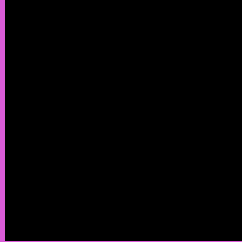
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5176, 0.3211, 0.1958

Background



This preview shows how black text looks on a background with the Yxy color 27.5176, 0.3211, 0.1958.

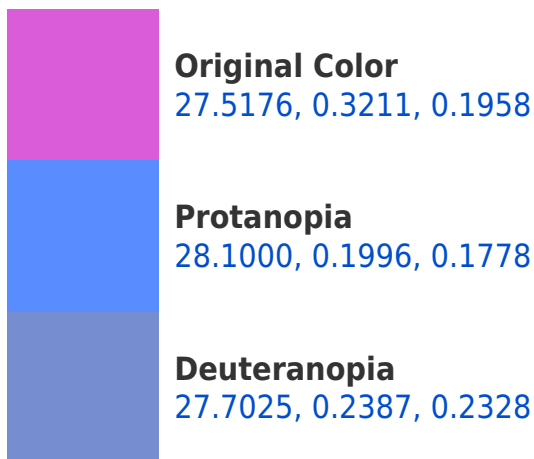


This preview shows how white text looks on a background with the Yxy color 27.5176, 0.3211, 0.1958.

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





Tritanopia

27.4686, 0.4158, 0.3191

Trichromacy



Original Color

27.5176, 0.3211, 0.1958



Protanomaly

25.7510, 0.2279, 0.1772



Deuteranomaly

25.9385, 0.2628, 0.2119



Tritanomaly

27.0426, 0.3802, 0.2678

Monochromacy



Original Color

27.5176, 0.3211, 0.1958



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

26.2274, 0.3168, 0.2648

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5176, 0.3211, 0.1958 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, 92, 216)` looks like.

```
.text, #text, p{  
    color:rgb(218, 92, 216)  
}
```

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, 92, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 92, 216) }
```

Border

The CSS property to change the border of an element to Yxy 27.5176, 0.3211, 0.1958 is called "border". The border property can be set on classes, ids or directly on the HTML element.

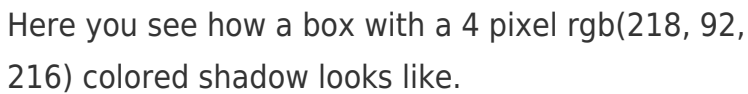
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(218, 92, 216) }
```

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

```
.border{ border-color:rgb(218, 92, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(218, 92, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(218, 92, 216); -webkit-box-shadow:4px 4px 4px 4px rgb(218, 92, 216); box-shadow:4px 4px 4px 4px rgb(218, 92, 216) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5176, 0.3211, 0.1958 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 92, 216) }
```

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

```
.background{ background-color: rgb(218, 92,  
216) }
```

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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