

Converting Colors

$Y_{xy}(27.8931, 0.3581, 0.2366)$

Have a look what the booklet for
Yxy(27.8931, 0.3581, 0.2366)
contains.

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Color

Yxy(27.8271, 0.3578, 0.2359)

Conversions

Conversions Part 1

Format	Color
Hex	DA66B7
RGB	218, 102, 183
RGB Percent	85%, 40%, 72%
CMY	0.1451, 0.5999, 0.2825
CMYK	0.00, 0.53, 0.16, 0.15
HSL	318°, 61%, 63%
HSV	318°, 53%, 85%
XYZ	42.2066, 27.8271, 47.9277
YIQ	145.9180, 43.1350, 49.7830

Conversions

Conversions Part 2

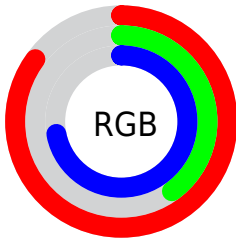
Format	Color
R _Y B	218, 102, 183
Decimal	14313143
CIE Lab	59.73, 55.03, -21.57
CIE LCh	60, 59.104, 338.600
Yxy	27.8271, 0.3578, 0.2359
Android (android.graphics.Color)	4292503223 (0xFFDA66B7)
YUV	145.9180, 18.2814, 63.2159
Hunter-Lab	52.7514, 50.5036, -16.9424

Details

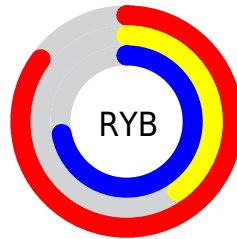
The Yxy color **27.8271, 0.3578, 0.2359** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **54.7706, 0.2869, 0.4480**, and the grayscale version is **28.6220, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6059, 0.3304, 0.2475**, and **11.0393, 0.3696, 0.2092** is the 20% darker color. If you saturate the color by 10%, you get **23.8237, 0.3698, 0.2221**, and if you desaturate by 10%, it is **32.9724, 0.3468, 0.2522**.

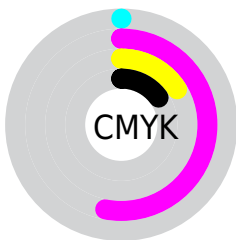
Distribution



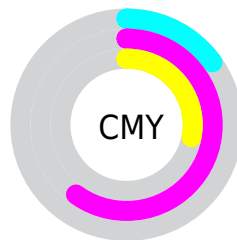
- Red (85%)
- Green (40%)
- Blue (72%)



- Red (85%)
- Yellow (40%)
- Blue (72%)



- Cyan (0%)
- Magenta (53%)
- Yellow (16%)
- Black (15%)





- Cyan (15%)
- Magenta (60%)
- Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8271, 0.3578, 0.2359 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 27.8271, 0.3578, 0.2359 by changing the saturation by 10% instead.


 27.8271, 0.3578,
0.2359

 27.8271, 0.3578,
0.2359


291.6398, 0.3353,
0.2823


 18.1954, 0.3634,
0.2245


 56.2083, 0.3496,
0.2527


 11.0903, 0.3705,
0.2099


 75.7265, 0.3466,
0.2590

 6.1276, 0.3798,
0.1909


 99.3090, 0.3440,
0.2644

 2.9228, 0.3924,
0.1651

 127.3402, 0.3417,
0.2690

 1.0916, 0.4104,
0.1289

160.2045, 0.3398,
0.2730

 0.0000, 0.4729,
0.0000

198.2863, 0.3381,

 0.0000, 0.4934,

0.2765

0.0000

241.9699, 0.3366,
0.2796

■ 0.0000, 0.0000,
0.0000

■ 27.8271, 0.3578,
0.2359

■ 27.8271, 0.3578,
0.2359

■ 23.8237, 0.3698,
0.2221

■ 32.9724, 0.3468,
0.2522

■ 20.8676, 0.3825,
0.2118

■ 39.3363, 0.3369,
0.2699

■ 18.8558, 0.3954,
0.2060

■ 46.9934, 0.3283,
0.2881

■ 17.6623, 0.4081,
0.2052

■ 56.0112, 0.3209,
0.3062

■ 17.1758, 0.4166,
0.2069

■ 66.4526, 0.3145,
0.3236

■ 78.3765, 0.3092,
0.3401

■ 91.8383, 0.3047,
0.3556

■ 92.4586, 0.3010,
0.3490

■ 92.8476, 0.2974,
0.3421

Harmonies

Analogous

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



27.8271, 0.2615, 0.1995



27.8271, 0.3578, 0.2359



27.8271, 0.4528, 0.2907

Triad

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



27.8271, 0.3578, 0.2359



27.8271, 0.4251, 0.4857



27.8271, 0.1543, 0.2566

Complementary

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



27.8271, 0.3578, 0.2359



54.7706, 0.2869, 0.4480

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.



27.8271, 0.1845, 0.3507



27.8271, 0.3578, 0.2359



27.8271, 0.3389, 0.5109

Square

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



27.8271, 0.3578, 0.2359



27.8271, 0.4875, 0.4233



27.8271, 0.2506, 0.4588



27.8271, 0.1580, 0.2040

Rectangle

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



27.8271, 0.3578, 0.2359



27.8271, 0.4927, 0.3330



27.8271, 0.2506, 0.4588



27.8271, 0.1603, 0.2836

Sweetspot

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



27.8284, 0.3578, 0.2359



75.9061, 0.3229, 0.3009



19.8711, 0.2382, 0.1709



15.6663, 0.3245, 0.2971



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.



27.8284, 0.3578, 0.2359



33.3220, 0.3715, 0.2204



25.8971, 0.4358, 0.3019



13.2044, 0.3184, 0.3128



10.3112, 0.4148, 0.2059



0.6830, 0.3959, 0.1954

Inverse Universe

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



27.8284, 0.3578, 0.2359



33.3220, 0.3715, 0.2204



56.8940, 0.2561, 0.3609



13.2044, 0.3184, 0.3128



10.3112, 0.4148, 0.2059



0.6830, 0.3959, 0.1954

Previews

White Background



This preview shows how the Yxy color 27.8271, 0.3578, 0.2359 looks on a white background.

Color Contrast Check

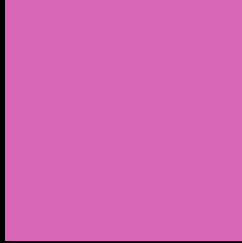
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8271, 0.3578, 0.2359 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

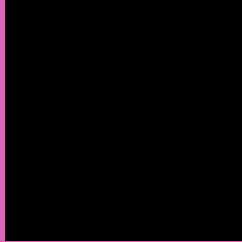
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8271, 0.3578, 0.2359

Background



This preview shows how black text looks on a background with the Yxy color 27.8271, 0.3578, 0.2359.



This preview shows how white text looks on a background with the Yxy color 27.8271, 0.3578, 0.2359.

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

27.8271, 0.3578, 0.2359

Protanopia

28.2150, 0.2373, 0.2264

Deuteranopia

27.9351, 0.2812, 0.2755



Tritanopia

27.7138, 0.4239, 0.3182

Trichromacy



Original Color

27.8271, 0.3578, 0.2359

Protanomaly

26.5109, 0.2714, 0.2251

Deuteranomaly

26.9795, 0.3064, 0.2559

Tritanomaly

27.4923, 0.4003, 0.2864

Monochromacy



Original Color

27.8271, 0.3578, 0.2359

Achromatopsia

28.7441, 0.3127, 0.3290

Achromatomaly

27.2391, 0.3293, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8271, 0.3578, 0.2359 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, 102, 183)` looks like.

```
.text, #text, p{  
    color:rgb(218, 102, 183)  
}
```

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, 102, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 102, 183) }
```

Border

The CSS property to change the border of an element to Yxy 27.8271, 0.3578, 0.2359 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, 102, 183) }
```

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

```
.border{ border-color:rgb(218, 102, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 102, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 102, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 102, 183);  
box-shadow:4px 4px 4px 4px rgb(218, 102,  
183) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8271, 0.3578, 0.2359 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 102, 183) }
```

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

```
.background{ background-color: rgb(218,  
102, 183) }
```

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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