

Converting Colors

$Y_{xy}(27.5752, 0.3679, 0.2431)$

Have a look what the booklet for
Yxy(27.5752, 0.3679, 0.2431)
contains.

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Color

Yxy(27.5020, 0.3678, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	DB65B0
RGB	219, 101, 176
RGB Percent	86%, 40%, 69%
CMY	0.1411, 0.6040, 0.3097
CMYK	0.00, 0.54, 0.20, 0.14
HSL	322°, 62%, 63%
HSV	322°, 54%, 86%
XYZ	41.7123, 27.5020, 44.1960
YIQ	144.8320, 46.2530, 48.3410

Conversions

Conversions Part 2

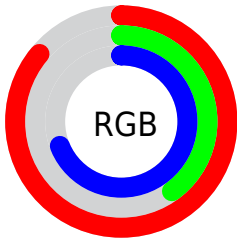
Format	Color
R _Y B	219, 101, 176
Decimal	14378416
CIE Lab	59.44, 54.81, -18.02
CIE LCh	59, 57.697, 341.800
Yxy	27.5020, 0.3678, 0.2425
Android (android.graphics.Color)	4292568496 (0xFFDB65B0)
YUV	144.8320, 15.3658, 65.0453
Hunter-Lab	52.4423, 50.2037, -13.2572

Details

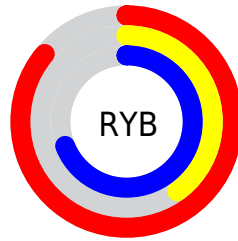
The Yxy color **27.5020, 0.3678, 0.2425** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.4581, 0.2827, 0.4388**, and the grayscale version is **28.1648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.8631, 0.3365, 0.2529**, and **10.8839, 0.3848, 0.2180** is the 20% darker color. If you saturate the color by 10%, you get **23.4964, 0.3828, 0.2301**, and if you desaturate by 10%, it is **32.6619, 0.3542, 0.2574**.

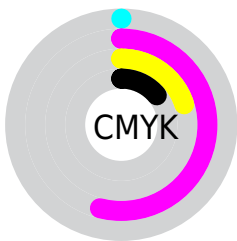
Distribution



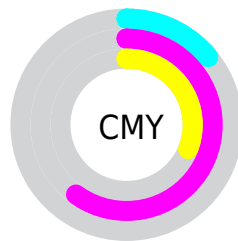
- Red (86%)
- Green (40%)
- Blue (69%)



- Red (86%)
- Yellow (40%)
- Blue (69%)



- Cyan (0%)
- Magenta (54%)
- Yellow (20%)
- Black (14%)





- Cyan (14%)
- Magenta (60%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.5020, 0.3678, 0.2425 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 27.5020, 0.3678, 0.2425 by changing the saturation by 10% instead.


 27.5020, 0.3678,
0.2425


 27.5020, 0.3678,
0.2425

290.0796, 0.3396,
0.2861


 17.9506, 0.3750,
0.2316


 55.6884, 0.3574,
0.2584


 10.9145, 0.3844,
0.2177


 75.0921, 0.3535,
0.2643

 6.0094, 0.3970,
0.1992


 98.5488, 0.3503,
0.2694

 2.8508, 0.4148,
0.1739

 126.4428, 0.3475,
0.2737

 1.0543, 0.4415,
0.1376

159.1584, 0.3451,
0.2774

 0.0000, 0.5289,
0.0000

197.0802, 0.3430,

 0.0000, 1.0000,

0.2807

0.0000

240.5924, 0.3412,
0.2835

■ 0.0000, 0.0000,
0.0000

■ 27.5020, 0.3678,
0.2425

■ 27.5020, 0.3678,
0.2425

■ 23.4964, 0.3828,
0.2301

■ 32.6619, 0.3542,
0.2574

■ 20.5484, 0.3988,
0.2212

■ 39.0545, 0.3422,
0.2737

■ 18.5526, 0.4152,
0.2170

■ 46.7559, 0.3317,
0.2904

■ 17.3791, 0.4315,
0.2179

■ 55.8350, 0.3228,
0.3070

■ 16.9360, 0.4412,
0.2204

■ 66.3556, 0.3153,
0.3230

■ 78.3777, 0.3090,
0.3381

■ 91.9579, 0.3038,
0.3522

■ 92.8679, 0.2993,
0.3445

■ 93.3523, 0.2950,
0.3362

Harmonies

Analogous

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



27.5020, 0.2715, 0.2043



27.5020, 0.3678, 0.2425



27.5020, 0.4580, 0.2980

Triad

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



27.5020, 0.3678, 0.2425



27.5020, 0.4154, 0.4883



27.5020, 0.1557, 0.2507

Complementary

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



27.5020, 0.3678, 0.2425



55.4581, 0.2827, 0.4388

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.



27.5020, 0.1818, 0.3391



27.5020, 0.3678, 0.2425



27.5020, 0.3294, 0.5056

Square

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



27.5020, 0.3678, 0.2425



27.5020, 0.4799, 0.4295



27.5020, 0.2436, 0.4460



27.5020, 0.1625, 0.2029

Rectangle

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



27.5020, 0.3678, 0.2425



27.5020, 0.4930, 0.3403



27.5020, 0.2436, 0.4460



27.5020, 0.1605, 0.2757

Sweetspot

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



27.5033, 0.3678, 0.2425



75.7538, 0.3247, 0.3033



20.1960, 0.2422, 0.1708



15.6299, 0.3265, 0.2999



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.



27.5033, 0.3678, 0.2425



32.3692, 0.3854, 0.2283



25.6922, 0.4468, 0.3087



13.1901, 0.3193, 0.3142



10.0607, 0.4389, 0.2192



0.6681, 0.4147, 0.2058

Inverse Universe

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



27.5033, 0.3678, 0.2425



32.3692, 0.3854, 0.2283



57.6772, 0.2527, 0.3530



13.1901, 0.3193, 0.3142



10.0607, 0.4389, 0.2192



0.6681, 0.4147, 0.2058

Previews

White Background



This preview shows how the Yxy color 27.5020, 0.3678, 0.2425 looks on a white background.

Color Contrast Check

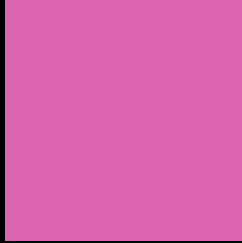
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.5020, 0.3678, 0.2425 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

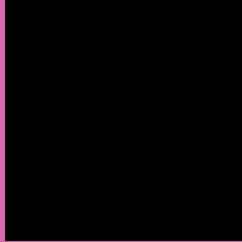
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.5020, 0.3678, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 27.5020, 0.3678, 0.2425.



This preview shows how white text looks on a background with the Yxy color 27.5020, 0.3678, 0.2425.

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

27.5020, 0.3678, 0.2425

Protanopia

27.7169, 0.2428, 0.2334

Deuteranopia

27.6782, 0.2893, 0.2828



Tritanopia

27.4869, 0.4312, 0.3196

Trichromacy



Original Color

27.5020, 0.3678, 0.2425



Protanomaly

26.1309, 0.2791, 0.2321



Deuteranomaly

26.6709, 0.3158, 0.2638



Tritanomaly

27.4593, 0.4083, 0.2905

Monochromacy



Original Color

27.5020, 0.3678, 0.2425



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.8715, 0.3328, 0.2897

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.5020, 0.3678, 0.2425 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, 101, 176)` looks like.

```
.text, #text, p{  
    color:rgb(219, 101, 176)  
}
```

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, 101, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 101, 176) }
```

Border

The CSS property to change the border of an element to Yxy 27.5020, 0.3678, 0.2425 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, 101, 176) }
```

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

```
.border{ border-color:rgb(219, 101, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(219, 101, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 101, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 101, 176);  
box-shadow:4px 4px 4px 4px rgb(219, 101,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 27.5020, 0.3678, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 101, 176) }
```

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

```
.background{ background-color: rgb(219,  
101, 176) }
```

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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