

Converting Colors

$Y_{xy}(27.0967, 0.3776, 0.2517)$

Have a look what the booklet for
Yxy(27.0967, 0.3776, 0.2517)
contains.

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Color

Yxy(27.0399, 0.3770, 0.2508)

Conversions

Conversions Part 1

Format	Color
Hex	DA65A8
RGB	218, 101, 168
RGB Percent	85%, 40%, 66%
CMY	0.1449, 0.6040, 0.3411
CMYK	0.00, 0.54, 0.23, 0.14
HSL	326°, 61%, 63%
HSV	326°, 54%, 86%
XYZ	40.6461, 27.0399, 40.1286
YIQ	143.6210, 48.2250, 45.6410

Conversions

Conversions Part 2

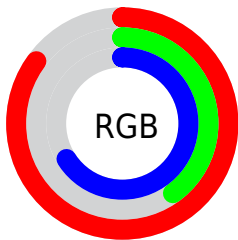
Format	Color
R _Y B	218, 101, 168
Decimal	14312872
CIE Lab	59.01, 53.38, -14.06
CIE LCh	59, 55.198, 345.240
Yxy	27.0399, 0.3770, 0.2508
Android (android.graphics.Color)	4292502952 (0xFFDA65A8)
YUV	143.6210, 12.0188, 65.2304
Hunter-Lab	51.9999, 48.5260, -9.3545

Details

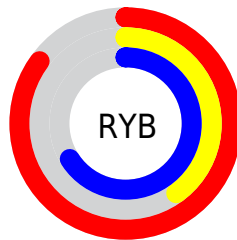
The Yxy color **27.0399, 0.3770, 0.2508** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.1661, 0.2788, 0.4269**, and the grayscale version is **27.6638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.3646, 0.3446, 0.2612**, and **10.6885, 0.3970, 0.2278** is the 20% darker color. If you saturate the color by 10%, you get **23.0207, 0.3951, 0.2396**, and if you desaturate by 10%, it is **32.2095, 0.3608, 0.2644**.

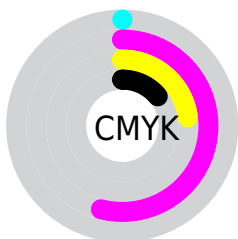
Distribution



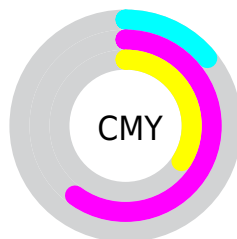
- Red (85%)
- Green (40%)
- Blue (66%)



- Red (85%)
- Yellow (40%)
- Blue (66%)



- Cyan (0%)
- Magenta (54%)
- Yellow (23%)
- Black (14%)





- Cyan (14%)
- Magenta (60%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0399, 0.3770, 0.2508 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 27.0399, 0.3770, 0.2508 by changing the saturation by 10% instead.


 27.0399, 0.3770,
0.2508


 27.0399, 0.3770,
0.2508


287.8503, 0.3434,
0.2908


 17.6032, 0.3859,
0.2406


 54.9479, 0.3644,
0.2655


 10.6655, 0.3975,
0.2275


 74.1880, 0.3598,
0.2710

 5.8424, 0.4135,
0.2099


 97.4646, 0.3559,
0.2756

 2.7495, 0.4367,
0.1852

 125.1622, 0.3527,
0.2795

 1.0024, 0.4730,
0.1489

157.6652, 0.3498,
0.2829

 0.0000, 0.5917,
0.0000

195.3579, 0.3474,


 0.0000, 1.0000,


0.2858


0.0000

238.6248, 0.3453,
0.2884

 0.0000, 0.0000,
0.0000


 27.0399, 0.3770,
0.2508


 27.0399, 0.3770,
0.2508


 23.0207, 0.3951,
0.2396


 32.2095, 0.3608,
0.2644


 20.0563, 0.4146,
0.2319

 38.6071, 0.3466,
0.2792

 18.0426, 0.4349,
0.2289

 46.3079, 0.3344,
0.2944

 16.8516, 0.4549,
0.2312

 55.3801, 0.3241,
0.3095

 16.3898, 0.4673,
0.2348

 65.8871, 0.3155,
0.3239

■ 77.8882, 0.3084,
0.3375

■ 91.4394, 0.3024,
0.3501

■ 92.8770, 0.2973,
0.3417

■ 93.4531, 0.2923,
0.3321

Harmonies

Analogous

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



27.0399, 0.2830, 0.2112



27.0399, 0.3770, 0.2508



27.0399, 0.4601, 0.3064

Triad

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



27.0399, 0.3770, 0.2508



27.0399, 0.4040, 0.4879



27.0399, 0.1596, 0.2465

Complementary

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



27.0399, 0.3770, 0.2508



55.1661, 0.2788, 0.4269

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.



27.0399, 0.1815, 0.3277



27.0399, 0.3770, 0.2508



27.0399, 0.3197, 0.4956

Square

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



27.0399, 0.3770, 0.2508



27.0399, 0.4694, 0.4347



27.0399, 0.2380, 0.4303



27.0399, 0.1697, 0.2040

Rectangle

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



27.0399, 0.3770, 0.2508



27.0399, 0.4895, 0.3482



27.0399, 0.2380, 0.4303



27.0399, 0.1631, 0.2693

Sweetspot

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



27.0412, 0.3770, 0.2508



75.6019, 0.3265, 0.3058



20.8258, 0.2498, 0.1743



15.5936, 0.3286, 0.3027



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.



27.0412, 0.3770, 0.2508



32.3933, 0.3968, 0.2387



25.3552, 0.4570, 0.3181



13.1759, 0.3203, 0.3157



9.8365, 0.4645, 0.2333



0.6544, 0.4348, 0.2169

Inverse Universe

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



27.0412, 0.3770, 0.2508



32.3933, 0.3968, 0.2387



57.5001, 0.2490, 0.3420



13.1759, 0.3203, 0.3157



9.8365, 0.4645, 0.2333



0.6544, 0.4348, 0.2169

Previews

White Background



This preview shows how the Yxy color 27.0399, 0.3770, 0.2508 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 27.0399, 0.3770, 0.2508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

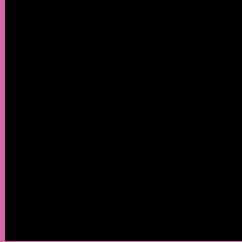
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0399, 0.3770, 0.2508

Background



This preview shows how black text looks on a background with the Yxy color 27.0399, 0.3770, 0.2508.



This preview shows how white text looks on a background with the Yxy color 27.0399, 0.3770, 0.2508.

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

27.0399, 0.3770, 0.2508

Protanopia

27.4709, 0.2517, 0.2461

Deuteranopia

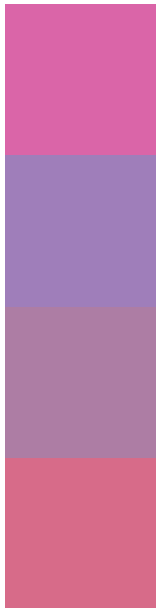
27.2769, 0.2986, 0.2932



Tritanopia

26.8469, 0.4339, 0.3195

Trichromacy



Original Color

27.0399, 0.3770, 0.2508

Protanomaly

25.8378, 0.2881, 0.2431

Deuteranomaly

26.2318, 0.3256, 0.2731

Tritanomaly

26.7686, 0.4135, 0.2928

Monochromacy



Original Color

27.0399, 0.3770, 0.2508

Achromatopsia

27.8894, 0.3127, 0.3290

Achromatomaly

26.3962, 0.3352, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0399, 0.3770, 0.2508 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, 101, 168)` looks like.

```
.text, #text, p{  
    color:rgb(218, 101, 168)  
}
```

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, 101, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 101, 168) }
```

Border

The CSS property to change the border of an element to Yxy 27.0399, 0.3770, 0.2508 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, 101, 168) }
```

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

```
.border{ border-color:rgb(218, 101, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 101, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 101, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 101, 168);  
box-shadow:4px 4px 4px 4px rgb(218, 101,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0399, 0.3770, 0.2508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 101, 168) }
```

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

```
.background{ background-color: rgb(218,  
101, 168) }
```

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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