

Converting Colors

$Y_{xy}(28.0642, 0.3676, 0.2632)$

Have a look what the booklet for
Yxy(28.0642, 0.3676, 0.2632)
contains.

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Color

Yxy(28.0432, 0.3678, 0.2628)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | D270A6 |
| RGB | 210, 112, 166 |
| RGB Percent | 82%, 44%, 65% |
| CMY | 0.1766, 0.5607, 0.3490 |
| CMYK | 0.00, 0.47, 0.21, 0.18 |
| HSL | 327°, 52%, 63% |
| HSV | 327°, 47%, 82% |
| XYZ | 39.2477, 28.0432, 39.4184 |
| YIQ | 147.4580, 41.0740, 37.5700 |

Conversions

Conversions Part 2

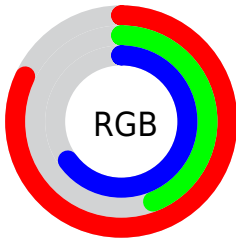
| Format | Color |
|-------------------------------------|------------------------------|
| R _Y B | 210, 112, 166 |
| Decimal | 13791398 |
| CIE Lab | 59.93, 45.06, -11.63 |
| CIE LCh | 60, 46.533, 345.524 |
| Yxy | 28.0432, 0.3678, 0.2628 |
| Android (android.graphics.Color) | 4291981478 (0xFFD270A6) |
| YUV | 147.4580, 9.1412, 54.8493 |
| Hunter-Lab | 52.9558, 39.6208, -7.0643 |

Details

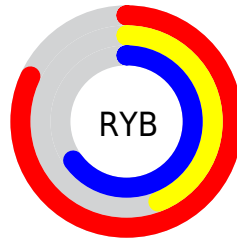
The Yxy color **28.0432, 0.3678, 0.2628** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **51.9230, 0.2808, 0.4081**, and the grayscale version is **29.3281, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.7529, 0.3450, 0.2730**, and **11.2189, 0.3854, 0.2431** is the 20% darker color. If you saturate the color by 10%, you get **23.6041, 0.3855, 0.2503**, and if you desaturate by 10%, it is **33.5907, 0.3522, 0.2768**.

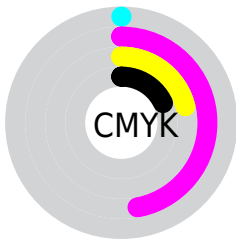
Distribution



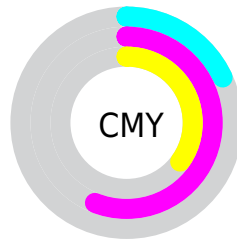
- Red (82%)
- Green (44%)
- Blue (65%)



- Red (82%)
- Yellow (44%)
- Blue (65%)



- Cyan (0%)
- Magenta (47%)
- Yellow (21%)
- Black (18%)





- Cyan (18%)
- Magenta (56%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0432, 0.3678, 0.2628 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 28.0432, 0.3678, 0.2628 by changing the saturation by 10% instead.


 28.0432, 0.3678,
0.2628


 28.0432, 0.3678,
0.2628


292.6733, 0.3389,
0.2968


 18.3582, 0.3755,
0.2540


 56.5534, 0.3570,
0.2754

 11.2075, 0.3856,
0.2426


 76.1474, 0.3530,
0.2800

 6.2066, 0.3995,
0.2272


 99.8133, 0.3497,
0.2840

 2.9711, 0.4199,
0.2054

 127.9353, 0.3469,
0.2873

 1.1167, 0.4523,
0.1723

160.8979, 0.3445,
0.2902

 0.0000, 0.5815,
0.0000

199.0855, 0.3424,

 0.0000, 1.0000,

0.2927

0.0000

242.8825, 0.3405,
0.2949

0.0000, 0.0000,
0.0000

28.0432, 0.3678,
0.2628

28.0432, 0.3678,
0.2628

23.6041, 0.3855,
0.2503

33.5907, 0.3522,
0.2768

20.1926, 0.4052,
0.2404

40.3118, 0.3389,
0.2915

17.7233, 0.4263,
0.2344


48.2716, 0.3276,
0.3060


16.0953, 0.4479,
0.2333

57.5291, 0.3181,
0.3201


15.1781, 0.4689,
0.2375


68.1395, 0.3102,
0.3334

 14.9505, 0.4760,
0.2396

 80.1548, 0.3037,
0.3458

 91.0418, 0.2983,
0.3532

 91.5919, 0.2932,
0.3431

 92.1712, 0.2882,
0.3332

Harmonies

Analogous

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



28.0432, 0.2892, 0.2277



28.0432, 0.3678, 0.2628



28.0432, 0.4361, 0.3121

Triad

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



28.0432, 0.3678, 0.2628



28.0432, 0.3925, 0.4639



28.0432, 0.1807, 0.2605

Complementary

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



28.0432, 0.3678, 0.2628



51.9230, 0.2808, 0.4081

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.



28.0432, 0.2009, 0.3288



28.0432, 0.3678, 0.2628



28.0432, 0.3206, 0.4650

Square

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



28.0432, 0.3678, 0.2628



28.0432, 0.4467, 0.4233



28.0432, 0.2505, 0.4110



28.0432, 0.1896, 0.2224

Rectangle

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



28.0432, 0.3678, 0.2628



28.0432, 0.4609, 0.3492



28.0432, 0.2505, 0.4110



28.0432, 0.1841, 0.2801

Sweetspot

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



28.0445, 0.3678, 0.2628



78.3101, 0.3251, 0.3096



23.1625, 0.2618, 0.1966



16.1251, 0.3273, 0.3065



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.



28.0445, 0.3678, 0.2628



36.6492, 0.3855, 0.2503



26.6129, 0.4305, 0.3212



11.9157, 0.3206, 0.3163



9.1435, 0.4731, 0.2380



0.5271, 0.4377, 0.2185

Inverse Universe

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



28.0445, 0.3678, 0.2628



36.6492, 0.3855, 0.2503



53.8554, 0.2544, 0.3378



11.9157, 0.3206, 0.3163



9.1435, 0.4731, 0.2380



0.5271, 0.4377, 0.2185

Previews

White Background



This preview shows how the Yxy color 28.0432, 0.3678, 0.2628 looks on a white background.

Color Contrast Check

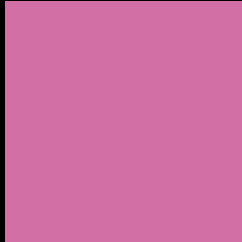
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0432, 0.3678, 0.2628 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

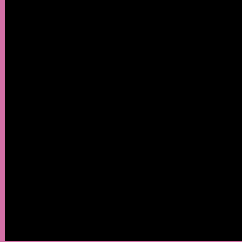
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0432, 0.3678, 0.2628

Background



This preview shows how black text looks on a background with the Yxy color 28.0432, 0.3678, 0.2628.



This preview shows how white text looks on a background with the Yxy color 28.0432, 0.3678, 0.2628.

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

28.0432, 0.3678, 0.2628

Protanopia

28.2193, 0.2644, 0.2622

Deuteranopia

28.2023, 0.3037, 0.2982



Tritanopia

28.1133, 0.4093, 0.3190

Trichromacy



Original Color

28.0432, 0.3678, 0.2628

Protanomaly

27.3343, 0.2969, 0.2611

Deuteranomaly

27.3803, 0.3250, 0.2815

Tritanomaly

27.9410, 0.3936, 0.2974

Monochromacy



Original Color

28.0432, 0.3678, 0.2628

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

27.9293, 0.3319, 0.2997

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0432, 0.3678, 0.2628 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(210, 112, 166)` looks like.

```
.text, #text, p{  
    color:rgb(210, 112, 166)  
}
```

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(210, 112, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 112, 166) }
```

Border

The CSS property to change the border of an element to Yxy 28.0432, 0.3678, 0.2628 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(210, 112, 166) }
```

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

```
.border{ border-color:rgb(210, 112, 166) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 112, 166)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 112, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 112, 166);  
box-shadow:4px 4px 4px 4px rgb(210, 112,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0432, 0.3678, 0.2628 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 112, 166) }
```

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

```
.background{ background-color: rgb(210,  
112, 166) }
```

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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