

Converting Colors

$Y_{xy}(27.9486, 0.3685, 0.2737)$

Have a look what the booklet for
Yxy(27.9486, 0.3685, 0.2737)
contains.

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Color

Yxy(28.0080, 0.3686, 0.2734)

Conversions

Conversions Part 1

Format	Color
Hex	CD74A0
RGB	205, 116, 160
RGB Percent	80%, 45%, 63%
CMY	0.1962, 0.5450, 0.3725
CMYK	0.00, 0.43, 0.22, 0.20
HSL	330°, 47%, 63%
HSV	330°, 43%, 80%
XYZ	37.7606, 28.0080, 36.6747
YIQ	147.6270, 38.9200, 32.5520

Conversions

Conversions Part 2

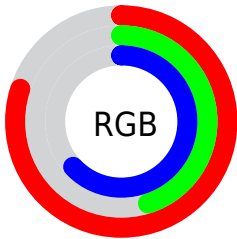
Format	Color
R _{YB}	205, 116, 160
Decimal	13464736
CIE Lab	59.90, 40.43, -8.30
CIE LCh	60, 41.273, 348.399
Yxy	28.0080, 0.3686, 0.2734
Android (android.graphics.Color)	4291654816 (0xFFCD74A0)
YUV	147.6270, 6.0999, 50.3161
Hunter-Lab	52.9226, 34.7464, -4.0414

Details

The Yxy color **28.0080, 0.3686, 0.2734** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **49.9342, 0.2795, 0.3936**, and the grayscale version is **29.4149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.9157, 0.3497, 0.2829**, and **11.2743, 0.3868, 0.2559** is the 20% darker color. If you saturate the color by 10%, you get **23.4450, 0.3881, 0.2616**, and if you desaturate by 10%, it is **33.6464, 0.3518, 0.2863**.

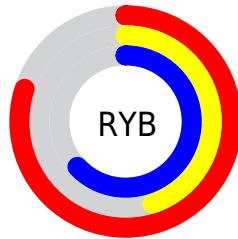
Distribution



Red (80%)

Green (45%)

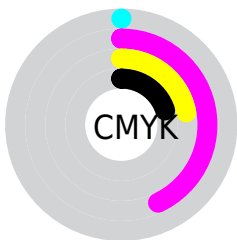
Blue (63%)



Red (80%)

Yellow (45%)

Blue (63%)

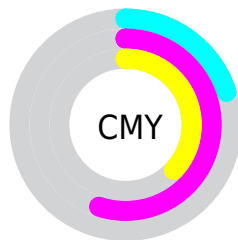


Cyan (0%)

Magenta (43%)

Yellow (22%)

Black (20%)



Cyan (20%)

Magenta (55%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.0080, 0.3686, 0.2734 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 28.0080, 0.3686, 0.2734 by changing the saturation by 10% instead.


 28.0080, 0.3686,
0.2734


 28.0080, 0.3686,
0.2734


292.5051, 0.3389,
0.3024


 18.3317, 0.3766,
0.2658


 56.4972, 0.3574,
0.2842

 11.1884, 0.3873,
0.2558


 76.0789, 0.3533,
0.2882

 6.1937, 0.4021,
0.2422


 99.7312, 0.3499,
0.2915

 2.9632, 0.4242,
0.2224

127.8384, 0.3470,
0.2943

 1.1126, 0.4604,
0.1916

160.7851, 0.3446,
0.2967

 0.0000, 0.6340,
0.0000

198.9555, 0.3424,

 0.0000, 0.0000,

0.2989

0.0000

242.7340, 0.3406,
0.3007

■ 28.0080, 0.3686,
0.2734

■ 28.0080, 0.3686,
0.2734

■ 23.4450, 0.3881,
0.2616

■ 33.6464, 0.3518,
0.2863

■ 19.8832, 0.4101,
0.2520

■ 40.4199, 0.3375,
0.2996

■ 17.2457, 0.4342,
0.2457


■ 48.3884, 0.3256,
0.3125

■ 15.4419, 0.4592,
0.2441


■ 57.6066, 0.3157,
0.3250


■ 14.3631, 0.4839,
0.2479

■ 68.1258, 0.3075,
0.3366

 13.9208, 0.4998,
0.2527

 79.9942, 0.3007,
0.3474

 90.3511, 0.2951,
0.3528

 90.9593, 0.2895,
0.3416

 91.6028, 0.2841,
0.3307

Harmonies

Analogous

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



28.0080, 0.2986, 0.2397



28.0080, 0.3686, 0.2734



28.0080, 0.4264, 0.3196

Triad

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



28.0080, 0.3686, 0.2734



28.0080, 0.3797, 0.4513



28.0080, 0.1931, 0.2641

Complementary

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



28.0080, 0.3686, 0.2734



49.9342, 0.2795, 0.3936

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.



28.0080, 0.2094, 0.3230



28.0080, 0.3686, 0.2734



28.0080, 0.3146, 0.4456

Square

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



28.0080, 0.3686, 0.2734



28.0080, 0.4298, 0.4195



28.0080, 0.2525, 0.3946



28.0080, 0.2036, 0.2314

Rectangle

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



28.0080, 0.3686, 0.2734



28.0080, 0.4461, 0.3537



28.0080, 0.2525, 0.3946



28.0080, 0.1955, 0.2811

Sweetspot

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



28.0093, 0.3686, 0.2734



79.6101, 0.3253, 0.3128



24.4278, 0.2722, 0.2087



16.3755, 0.3278, 0.3100



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.



28.0093, 0.3686, 0.2734



38.9068, 0.3866, 0.2624



26.7327, 0.4259, 0.3293



11.3046, 0.3214, 0.3176



8.6885, 0.4966, 0.2509



0.4636, 0.4532, 0.2270

Inverse Universe

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



28.0093, 0.3686, 0.2734



38.9068, 0.3866, 0.2624



51.7675, 0.2544, 0.3288



11.3046, 0.3214, 0.3176



8.6885, 0.4966, 0.2509



0.4636, 0.4532, 0.2270

Previews

White Background



This preview shows how the Yxy color 28.0080, 0.3686, 0.2734 looks on a white background.

Color Contrast Check

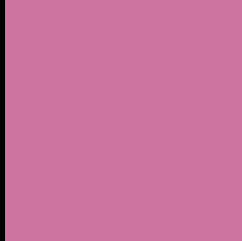
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.0080, 0.3686, 0.2734 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

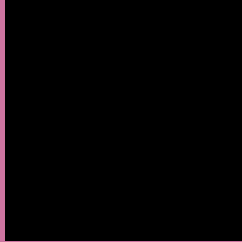
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.0080, 0.3686, 0.2734

Background



This preview shows how black text looks on a background with the Yxy color 28.0080, 0.3686, 0.2734.



This preview shows how white text looks on a background with the Yxy color 28.0080, 0.3686, 0.2734.

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

28.0080, 0.3686, 0.2734

Protanopia

28.1776, 0.2751, 0.2751

Deuteranopia

28.3201, 0.3117, 0.3059



Tritanopia

28.1143, 0.3999, 0.3175

Trichromacy



Original Color

28.0080, 0.3686, 0.2734

Protanomaly

27.3967, 0.3057, 0.2733

Deuteranomaly

27.8211, 0.3323, 0.2929

Tritanomaly

28.0824, 0.3878, 0.3006

Monochromacy



Original Color

28.0080, 0.3686, 0.2734

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.3103, 0.3327, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.0080, 0.3686, 0.2734 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(205, 116, 160)` looks like.

```
.text, #text, p{  
    color:rgb(205, 116, 160)  
}
```

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(205, 116, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 116, 160) }
```

Border

The CSS property to change the border of an element to Yxy 28.0080, 0.3686, 0.2734 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(205, 116, 160) }
```

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

```
.border{ border-color:rgb(205, 116, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 116, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 116, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 116, 160);  
box-shadow:4px 4px 4px 4px rgb(205, 116,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 28.0080, 0.3686, 0.2734 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 116, 160) }
```

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

```
.background{ background-color: rgb(205,  
116, 160) }
```

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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