

Converting Colors

$Y_{xy}(27.7082, 0.3345, 0.2221)$

Have a look what the booklet for
Yxy(27.7082, 0.3345, 0.2221)
contains.

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Color

Yxy(27.7350, 0.3345, 0.2221)

Conversions

Conversions Part 1

Format	Color
Hex	D368C4
RGB	211, 104, 196
RGB Percent	83%, 41%, 77%
CMY	0.1727, 0.5920, 0.2314
CMYK	0.00, 0.51, 0.07, 0.17
HSL	308°, 55%, 62%
HSV	308°, 51%, 83%
XYZ	41.7711, 27.7350, 55.3701
YIQ	146.4810, 34.2400, 51.2960

Conversions

Conversions Part 2

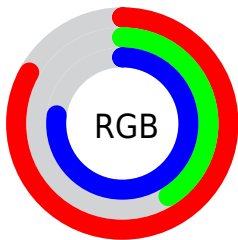
Format	Color
R _Y B	211, 104, 196
Decimal	13854916
CIE Lab	59.65, 54.07, -29.21
CIE LCh	60, 61.458, 331.623
Yxy	27.7350, 0.3345, 0.2221
Android (android.graphics.Color)	4292044996 (0xFFD368C4)
YUV	146.4810, 24.4129, 56.5832
Hunter-Lab	52.6640, 49.4173, -25.4717

Details

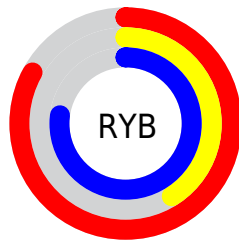
The Yxy color **27.7350, 0.3345, 0.2221** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **50.8519, 0.2973, 0.4676**, and the grayscale version is **28.8423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1481, 0.3187, 0.2373**, and **11.0196, 0.3386, 0.1932** is the 20% darker color. If you saturate the color by 10%, you get **23.8726, 0.3399, 0.2050**, and if you desaturate by 10%, it is **32.6649, 0.3294, 0.2417**.

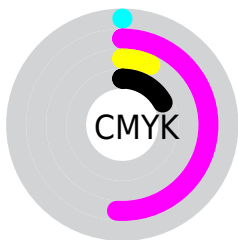
Distribution



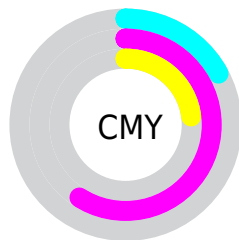
- Red (83%)
- Green (41%)
- Blue (77%)



- Red (83%)
- Yellow (41%)
- Blue (77%)



- Cyan (0%)
- Magenta (51%)
- Yellow (7%)
- Black (17%)




- Cyan (17%)
- Magenta (59%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.7350, 0.3345, 0.2221 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 27.7350, 0.3345, 0.2221 by changing the saturation by 10% instead.


 27.7350, 0.3345,
0.2221


 27.7350, 0.3345,
0.2221


291.1985, 0.3249,
0.2746


 18.1260, 0.3364,
0.2095


 56.0611, 0.3314,
0.2409


 11.0405, 0.3386,
0.1936


 75.5469, 0.3301,
0.2480

 6.0941, 0.3409,
0.1731


 99.0939, 0.3289,
0.2541

 2.9024, 0.3431,
0.1461

 127.0863, 0.3280,
0.2593

 1.0810, 0.3440,
0.1096

159.9085, 0.3271,
0.2639

 0.0000, 0.3611,
0.0000

197.9451, 0.3263,

 0.0000, 0.2252,

0.2679

0.0000

241.5802, 0.3256,
0.2715

0.0000, 0.0000,
0.0000

27.7350, 0.3345,
0.2221

27.7350, 0.3345,
0.2221

23.8726, 0.3399,
0.2050

32.6649, 0.3294,
0.2417

20.9932, 0.3453,
0.1914

38.7310, 0.3246,
0.2629

19.0057, 0.3506,
0.1820

46.0007, 0.3202,
0.2847

17.8002, 0.3557,
0.1770

54.5348, 0.3163,
0.3065

17.1982, 0.3602,
0.1758

64.3903, 0.3129,
0.3276

■ 75.6207, 0.3100,
0.3476

■ 88.2763, 0.3074,
0.3664

■ 90.5129, 0.3057,
0.3665

■ 90.6705, 0.3040,
0.3633

Harmonies

Analogous

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



27.7350, 0.2399, 0.1902



27.7350, 0.3345, 0.2221



27.7350, 0.4381, 0.2746

Triad

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



27.7350, 0.3345, 0.2221



27.7350, 0.4461, 0.4770



27.7350, 0.1531, 0.2722

Complementary

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



27.7350, 0.3345, 0.2221



50.8519, 0.2973, 0.4676

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.



27.7350, 0.1924, 0.3786



27.7350, 0.3345, 0.2221



27.7350, 0.3605, 0.5183

Square

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



27.7350, 0.3345, 0.2221



27.7350, 0.5022, 0.4085



27.7350, 0.2677, 0.4853



27.7350, 0.1494, 0.2084

Rectangle

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



27.7350, 0.3345, 0.2221



27.7350, 0.4886, 0.3167



27.7350, 0.2677, 0.4853



27.7350, 0.1619, 0.3036

Sweetspot

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



27.7363, 0.3345, 0.2221



77.6366, 0.3180, 0.2968



18.4799, 0.2272, 0.1734



16.0247, 0.3189, 0.2922



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.



27.7363, 0.3345, 0.2221



36.1643, 0.3404, 0.2035



25.7417, 0.4014, 0.2809



11.9794, 0.3159, 0.3092



10.3936, 0.3595, 0.1754



0.5892, 0.3514, 0.1709

Inverse Universe

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



27.7363, 0.3345, 0.2221



36.1643, 0.3404, 0.2035



52.4891, 0.2678, 0.3859



11.9794, 0.3159, 0.3092



10.3936, 0.3595, 0.1754



0.5892, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 27.7350, 0.3345, 0.2221 looks on a white background.

Color Contrast Check

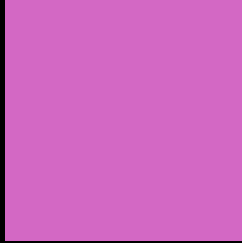
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.7350, 0.3345, 0.2221 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

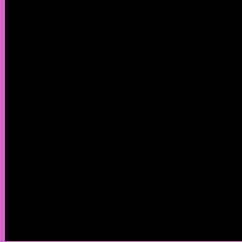
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.7350, 0.3345, 0.2221

Background



This preview shows how black text looks on a background with the Yxy color 27.7350, 0.3345, 0.2221.



This preview shows how white text looks on a background with the Yxy color 27.7350, 0.3345, 0.2221.

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

27.7350, 0.3345, 0.2221

Protanopia

28.0515, 0.2245, 0.2095

Deuteranopia

28.0067, 0.2628, 0.2579



Tritanopia

27.7144, 0.4045, 0.3175

Trichromacy



Original Color

27.7350, 0.3345, 0.2221



Protanomaly

26.7342, 0.2552, 0.2107



Deuteranomaly

26.8212, 0.2848, 0.2392



Tritanomaly

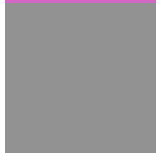
27.4563, 0.3792, 0.2797

Monochromacy



Original Color

27.7350, 0.3345, 0.2221



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

27.4590, 0.3216, 0.2813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.7350, 0.3345, 0.2221 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(211, 104, 196)` looks like.

```
.text, #text, p{  
    color:rgb(211, 104, 196)  
}
```

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(211, 104, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 104, 196) }
```

Border

The CSS property to change the border of an element to Yxy 27.7350, 0.3345, 0.2221 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(211, 104, 196) }
```

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

```
.border{ border-color:rgb(211, 104, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 104, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 104, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 104, 196);  
box-shadow:4px 4px 4px 4px rgb(211, 104,  
196) }
```


Background

The CSS property to change the background color of an element to Yxy 27.7350, 0.3345, 0.2221 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 104, 196) }
```

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

```
.background{ background-color: rgb(211,  
104, 196) }
```

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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