

Converting Colors

$Y_{xy}(29.3737, 0.3324, 0.2269)$

Have a look what the booklet for
Yxy(29.3737, 0.3324, 0.2269)
contains.

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Color

Yxy(29.4431, 0.3327, 0.2277)

Conversions

Conversions Part 1

Format	Color
Hex	D46FC6
RGB	212, 111, 198
RGB Percent	83%, 44%, 78%
CMY	0.1688, 0.5646, 0.2235
CMYK	0.00, 0.48, 0.07, 0.17
HSL	308°, 54%, 63%
HSV	308°, 48%, 83%
XYZ	43.0203, 29.4431, 56.8432
YIQ	151.1170, 32.2690, 48.4690

Conversions

Conversions Part 2

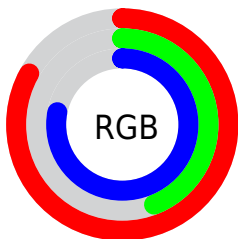
Format	Color
RYB	212, 111, 198
Decimal	13922246
CIELab	61.17, 51.26, -27.99
CIELCh	61, 58.407, 331.368
Yxy	29.4431, 0.3327, 0.2277
Android (android.graphics.Color)	4292112326 (0xFFD46FC6)
YUV	151.1170, 23.1133, 53.3944
Hunter-Lab	54.2615, 46.5630, -24.1279

Details

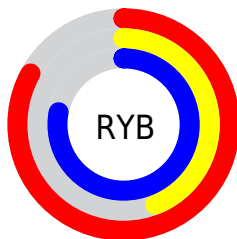
The Yxy color **29.4431, 0.3327, 0.2277** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **51.9291, 0.2981, 0.4581**, and the grayscale version is **30.8918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.7524, 0.3168, 0.2422**, and **11.9084, 0.3361, 0.2000** is the 20% darker color. If you saturate the color by 10%, you get **25.2193, 0.3379, 0.2097**, and if you desaturate by 10%, it is **34.7696, 0.3277, 0.2479**.

Distribution



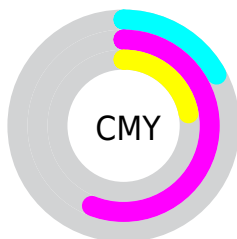
- Red (83%)
- Green (44%)
- Blue (78%)



- Red (83%)
- Yellow (44%)
- Blue (78%)



- Cyan (0%)
- Magenta (48%)
- Yellow (7%)
- Black (17%)




- Cyan (17%)
- Magenta (56%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.4431, 0.3327, 0.2277 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 29.4431, 0.3327, 0.2277 by changing the saturation by 10% instead.


 29.4431, 0.3327,
0.2277


 29.4431, 0.3327,
0.2277


299.2999, 0.3239,
0.2773

 19.4163, 0.3345,
0.2158


 58.7804, 0.3298,
0.2454


 11.9715, 0.3365,
0.2008


 78.8596, 0.3287,
0.2522

 6.7242, 0.3386,
0.1815


 103.0584, 0.3276,
0.2579

 3.2902, 0.3408,
0.1559

 131.7611, 0.3267,
0.2629

 1.2851, 0.3418,
0.1210

165.3523, 0.3259,
0.2672

 0.1296, 0.3539,
0.0307

204.2162, 0.3252,

 0.0000, 0.2654,

0.2710

0.0000

248.7373, 0.3245,
0.2743

0.0000, 0.0000,
0.0000

29.4431, 0.3327,
0.2277

29.4431, 0.3327,
0.2277

25.2193, 0.3379,
0.2097

34.7696, 0.3277,
0.2479

22.0153, 0.3433,
0.1949

41.2660, 0.3231,
0.2695

19.7431, 0.3486,
0.1841


48.9986, 0.3189,
0.2914


18.2980, 0.3537,
0.1778

58.0278, 0.3152,
0.3130

17.5342, 0.3585,
0.1757


68.4101, 0.3120,
0.3339

 17.3954, 0.3596,
0.1755

 80.1984, 0.3092,
0.3536

 90.6004, 0.3069,
0.3677

 90.7557, 0.3053,
0.3645

 90.9138, 0.3036,
0.3613

Harmonies

Analogous

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



29.4431, 0.2440, 0.1974



29.4431, 0.3327, 0.2277



29.4431, 0.4290, 0.2779

Triad

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



29.4431, 0.3327, 0.2277



29.4431, 0.4404, 0.4693



29.4431, 0.1621, 0.2776

Complementary

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



29.4431, 0.3327, 0.2277



51.9291, 0.2981, 0.4581

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.



29.4431, 0.2005, 0.3765



29.4431, 0.3327, 0.2277



29.4431, 0.3603, 0.5053

Square

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



29.4431, 0.3327, 0.2277



29.4431, 0.4915, 0.4058



29.4431, 0.2725, 0.4736



29.4431, 0.1579, 0.2162

Rectangle

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



29.4431, 0.3327, 0.2277



29.4431, 0.4764, 0.3182



29.4431, 0.2725, 0.4736



29.4431, 0.1709, 0.3072

Sweetspot

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



29.4445, 0.3327, 0.2277



78.9858, 0.3176, 0.2989



20.4491, 0.2333, 0.1838



16.2905, 0.3184, 0.2942



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.



29.4445, 0.3327, 0.2277



38.3288, 0.3379, 0.2097



27.5065, 0.3935, 0.2835



12.6018, 0.3159, 0.3091



10.7547, 0.3590, 0.1751



0.6570, 0.3514, 0.1710

Inverse Universe

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



29.4445, 0.3327, 0.2277



38.3288, 0.3379, 0.2097



53.5420, 0.2697, 0.3818



12.6018, 0.3159, 0.3091



10.7547, 0.3590, 0.1751



0.6570, 0.3514, 0.1710

Previews

White Background



This preview shows how the Yxy color 29.4431, 0.3327, 0.2277 looks on a white background.

Color Contrast Check

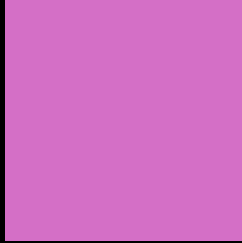
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.4431, 0.3327, 0.2277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

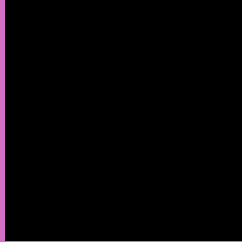
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.4431, 0.3327, 0.2277

Background



This preview shows how black text looks on a background with the Yxy color 29.4431, 0.3327, 0.2277.



This preview shows how white text looks on a background with the Yxy color 29.4431, 0.3327, 0.2277.

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

29.4431, 0.3327, 0.2277

Protanopia

29.6801, 0.2306, 0.2175

Deuteranopia

29.5455, 0.2661, 0.2596



Tritanopia

29.3956, 0.3969, 0.3163

Trichromacy



Original Color

29.4431, 0.3327, 0.2277



Protanomaly

28.4537, 0.2594, 0.2185



Deuteranomaly

28.7771, 0.2882, 0.2450



Tritanomaly

29.3115, 0.3734, 0.2814

Monochromacy



Original Color

29.4431, 0.3327, 0.2277



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.3197, 0.3202, 0.2836

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.4431, 0.3327, 0.2277 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(212, 111, 198)` looks like.

```
.text, #text, p{  
    color:rgb(212, 111, 198)  
}
```

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(212, 111, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 111, 198) }
```

Border

The CSS property to change the border of an element to Yxy 29.4431, 0.3327, 0.2277 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(212, 111, 198) }
```

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

```
.border{ border-color:rgb(212, 111, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 111, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 111, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 111, 198);  
box-shadow:4px 4px 4px 4px rgb(212, 111,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 29.4431, 0.3327, 0.2277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 111, 198) }
```

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

```
.background{ background-color: rgb(212,  
111, 198) }
```

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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