

Converting Colors

$Y_{xy}(29.8763, 0.3273, 0.2278)$

Have a look what the booklet for
Yxy(29.8763, 0.3273, 0.2278)
contains.

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Color

Yxy(29.7601, 0.3272, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	D172C8
RGB	209, 114, 200
RGB Percent	82%, 45%, 78%
CMY	0.1802, 0.5530, 0.2157
CMYK	0.00, 0.45, 0.04, 0.18
HSL	306°, 51%, 63%
HSV	306°, 45%, 82%
XYZ	42.7459, 29.7601, 58.1354
YIQ	152.2090, 29.0140, 46.8860

Conversions

Conversions Part 2

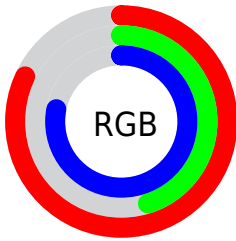
Format	Color
R _Y B	209, 114, 200
Decimal	13726408
CIE Lab	61.45, 49.26, -28.72
CIE LCh	61, 57.020, 329.752
Yxy	29.7601, 0.3272, 0.2278
Android (android.graphics.Color)	4291916488 (0xFFD172C8)
YUV	152.2090, 23.5610, 49.8057
Hunter-Lab	54.5528, 44.3995, -24.9967

Details

The Yxy color **29.7601, 0.3272, 0.2278** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **50.6282, 0.3010, 0.4573**, and the grayscale version is **31.3808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.4853, 0.3167, 0.2441**, and **12.1851, 0.3295, 0.2008** is the 20% darker color. If you saturate the color by 10%, you get **25.4811, 0.3310, 0.2086**, and if you desaturate by 10%, it is **35.1205, 0.3235, 0.2491**.

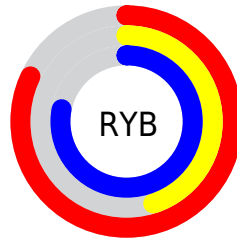
Distribution



Red (82%)

Green (45%)

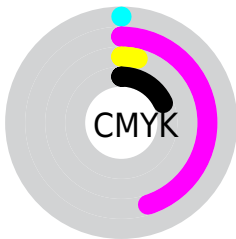
Blue (78%)



Red (82%)

Yellow (45%)

Blue (78%)

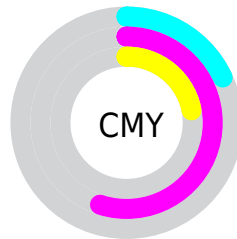


Cyan (0%)

Magenta (45%)

Yellow (4%)

Black (18%)



Cyan (18%)


Magenta (55%)


Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.7601, 0.3272, 0.2278 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 29.7601, 0.3272, 0.2278 by changing the saturation by 10% instead.


 29.7601, 0.3272,
0.2278


 29.7601, 0.3272,
0.2278


300.7846, 0.3213,
0.2773


 19.6566, 0.3282,
0.2159


 59.2826, 0.3254,
0.2455

 12.1456, 0.3292,
0.2010


 79.4703, 0.3246,
0.2522

 6.8430, 0.3301,
0.1818


 103.7883, 0.3239,
0.2579

 3.3641, 0.3303,
0.1563

132.6208, 0.3233,
0.2629

 1.3246, 0.3286,
0.1217

166.3523, 0.3227,
0.2672

 0.1602, 0.3336,
0.0365

205.3672, 0.3222,


 0.0000, 0.2364,


0.2710


0.0000


250.0498, 0.3217,
0.2743


 0.0000, 0.0000,
0.0000


 29.7601, 0.3272,
0.2278

 29.7601, 0.3272,
0.2278

 25.4811, 0.3310,
0.2086


 35.1205, 0.3235,
0.2491


 22.2049, 0.3348,
0.1926


 41.6255, 0.3201,
0.2716


 19.8491, 0.3385,
0.1804


 49.3384, 0.3170,
0.2945


 18.3164, 0.3420,
0.1726


 58.3167, 0.3141,
0.3170

 17.4872, 0.3452,
0.1691


 68.6140, 0.3116,
0.3387

 17.2426, 0.3466,
0.1683

 80.2811, 0.3094,
0.3591

 89.9323, 0.3077,
0.3730

 90.0345, 0.3066,
0.3708

 90.1379, 0.3055,
0.3686

Harmonies

Analogous

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



29.7601, 0.2418, 0.1993



29.7601, 0.3272, 0.2278



29.7601, 0.4214, 0.2762

Triad

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



29.7601, 0.3272, 0.2278



29.7601, 0.4415, 0.4635



29.7601, 0.1666, 0.2837

Complementary

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



29.7601, 0.3272, 0.2278



50.6282, 0.3010, 0.4573

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.



29.7601, 0.2065, 0.3810



29.7601, 0.3272, 0.2278



29.7601, 0.3643, 0.5000

Square

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



29.7601, 0.3272, 0.2278



29.7601, 0.4887, 0.4014



29.7601, 0.2783, 0.4728



29.7601, 0.1606, 0.2213

Rectangle

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



29.7601, 0.3272, 0.2278



29.7601, 0.4691, 0.3156



29.7601, 0.2783, 0.4728



29.7601, 0.1759, 0.3131

Sweetspot

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



29.7614, 0.3272, 0.2278



79.0830, 0.3166, 0.2975



20.7656, 0.2336, 0.1900



16.3145, 0.3172, 0.2925



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.



29.7614, 0.3272, 0.2278



39.8550, 0.3310, 0.2084



27.9106, 0.3820, 0.2797



11.9889, 0.3152, 0.3082



10.6345, 0.3462, 0.1681



0.6004, 0.3410, 0.1652

Inverse Universe

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



29.7614, 0.3272, 0.2278



39.8550, 0.3310, 0.2084



52.0785, 0.2739, 0.3861



11.9889, 0.3152, 0.3082



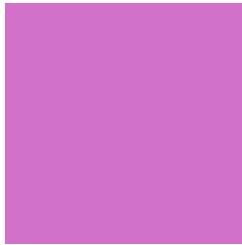
10.6345, 0.3462, 0.1681



0.6004, 0.3410, 0.1652

Previews

White Background



This preview shows how the Yxy color 29.7601, 0.3272, 0.2278 looks on a white background.

Color Contrast Check

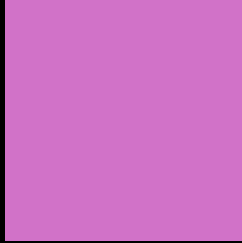
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7601, 0.3272, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

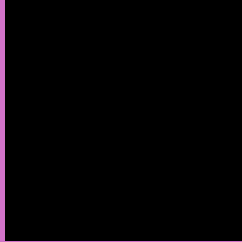
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7601, 0.3272, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 29.7601, 0.3272, 0.2278.

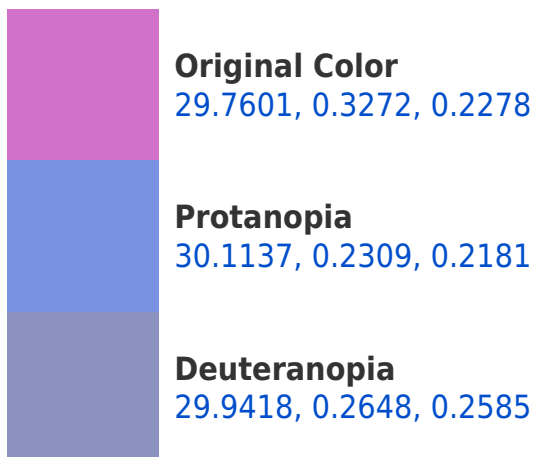


This preview shows how white text looks on a background with the Yxy color 29.7601, 0.3272, 0.2278.

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





Tritanopia

29.6620, 0.3886, 0.3174

Trichromacy



Original Color

29.7601, 0.3272, 0.2278



Protanomaly

28.8323, 0.2582, 0.2177



Deuteranomaly

28.9282, 0.2846, 0.2436



Tritanomaly

29.5414, 0.3657, 0.2819

Monochromacy



Original Color

29.7601, 0.3272, 0.2278



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

29.9258, 0.3190, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7601, 0.3272, 0.2278 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(209, 114, 200)` looks like.

```
.text, #text, p{  
    color:rgb(209, 114, 200)  
}
```

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(209, 114, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 114, 200) }
```

Border

The CSS property to change the border of an element to Yxy 29.7601, 0.3272, 0.2278 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(209, 114, 200) }
```

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

```
.border{ border-color:rgb(209, 114, 200) }
```

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

Here you see how a box with a 4 pixel rgb(209, 114, 200) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 114, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 114, 200);  
box-shadow:4px 4px 4px 4px rgb(209, 114,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7601, 0.3272, 0.2278 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 114, 200) }
```

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

```
.background{ background-color: rgb(209,  
114, 200) }
```

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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