

Converting Colors

$Y_{xy}(29.1080, 0.3382, 0.2479)$

Have a look what the booklet for
Yxy(29.1080, 0.3382, 0.2479)
contains.

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Color

Yxy(29.1141, 0.3377, 0.2473)

Conversions

Conversions Part 1

Format	Color
Hex	CB76B8
RGB	203, 118, 184
RGB Percent	80%, 46%, 72%
CMY	0.2039, 0.5372, 0.2785
CMYK	0.00, 0.42, 0.09, 0.20
HSL	313°, 45%, 63%
HSV	313°, 42%, 80%
XYZ	39.7567, 29.1141, 48.8571
YIQ	150.9390, 29.4740, 38.5460

Conversions

Conversions Part 2

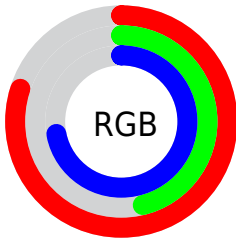
Format	Color
R _Y B	203, 118, 184
Decimal	13334200
CIE Lab	60.88, 42.54, -20.56
CIE LCh	61, 47.252, 334.207
Yxy	29.1141, 0.3377, 0.2473
Android (android.graphics.Color)	4291524280 (0xFFCB76B8)
YUV	150.9390, 16.2991, 45.6575
Hunter-Lab	53.9575, 37.0959, -15.9153

Details

The Yxy color $29.1141, 0.3377, 0.2473$ is a light color, and the websafe version is hex $CC6699$. A complement of this color would be $48.3720, 0.2952, 0.4282$, and the grayscale version is $30.8404, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.0563, 0.3283, 0.2612$, and $11.7382, 0.3437, 0.2232$ is the 20% darker color. If you saturate the color by 10%, you get $24.6499, 0.3457, 0.2294$, and if you desaturate by 10%, it is $34.6159, 0.3305, 0.2667$.

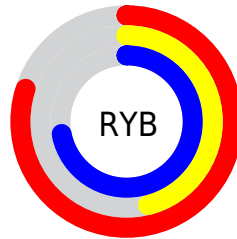
Distribution



Red (80%)

Green (46%)

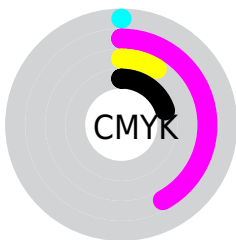
Blue (72%)



Red (80%)

Yellow (46%)

Blue (72%)

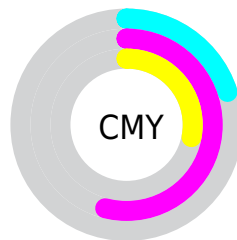


Cyan (0%)

Magenta (42%)

Yellow (9%)

Black (20%)



Cyan (20%)


Magenta (54%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.1141, 0.3377, 0.2473 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 29.1141, 0.3377, 0.2473 by changing the saturation by 10% instead.


 29.1141, 0.3377,
0.2473


 29.1141, 0.3377,
0.2473


297.7529, 0.3256,
0.2883


 19.1672, 0.3406,
0.2371


 58.2583, 0.3334,
0.2622

 11.7911, 0.3442,
0.2241


 78.2244, 0.3318,
0.2678

 6.6016, 0.3487,
0.2068


 102.2989, 0.3303,
0.2725

 3.2142, 0.3546,
0.1832

130.8664, 0.3291,
0.2766

 1.2446, 0.3623,
0.1492

164.3111, 0.3281,
0.2801

 0.0977, 0.3978,
0.0333

203.0175, 0.3271,

 0.0000, 0.1896,

0.2832

0.0000

247.3700, 0.3263,
0.2859

0.0000, 0.0000,
0.0000

29.1141, 0.3377,
0.2473

29.1141, 0.3377,
0.2473

24.6499, 0.3457,
0.2294

34.6159, 0.3305,
0.2667

21.1526, 0.3542,
0.2138

41.2121, 0.3240,
0.2866

18.5490, 0.3631,
0.2017


48.9600, 0.3184,
0.3064


16.7537, 0.3720,
0.1939


57.9118, 0.3135,
0.3255


15.6646, 0.3807,
0.1907

68.1166, 0.3094,
0.3437

 15.1501, 0.3876,
0.1909

 79.6206, 0.3059,
0.3607

 89.1636, 0.3030,
0.3713

 89.4016, 0.3005,
0.3663

 89.6462, 0.2980,
0.3612

Harmonies

Analogous

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



29.1141, 0.2626, 0.2192



29.1141, 0.3377, 0.2473



29.1141, 0.4139, 0.2922

Triad

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



29.1141, 0.3377, 0.2473



29.1141, 0.4163, 0.4520



29.1141, 0.1845, 0.2828

Complementary

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



29.1141, 0.3377, 0.2473



48.3720, 0.2952, 0.4282

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.



29.1141, 0.2161, 0.3602



29.1141, 0.3377, 0.2473



29.1141, 0.3487, 0.4713

Square

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



29.1141, 0.3377, 0.2473



29.1141, 0.4592, 0.4033



29.1141, 0.2753, 0.4374



29.1141, 0.1827, 0.2329

Rectangle

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



29.1141, 0.3377, 0.2473



29.1141, 0.4498, 0.3279



29.1141, 0.2753, 0.4374



29.1141, 0.1916, 0.3063

Sweetspot

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



29.1154, 0.3377, 0.2473



80.1741, 0.3191, 0.3038



22.5408, 0.2511, 0.2060



16.5152, 0.3203, 0.2994



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.



29.1154, 0.3377, 0.2473



42.0843, 0.3447, 0.2314



27.6115, 0.3885, 0.2980



11.3591, 0.3171, 0.3112



9.6555, 0.3865, 0.1903



0.5090, 0.3712, 0.1819

Inverse Universe

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



29.1154, 0.3377, 0.2473



42.0843, 0.3447, 0.2314



49.8163, 0.2697, 0.3635



11.3591, 0.3171, 0.3112



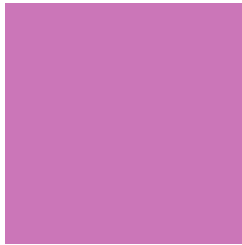
9.6555, 0.3865, 0.1903



0.5090, 0.3712, 0.1819

Previews

White Background



This preview shows how the Yxy color 29.1141, 0.3377, 0.2473 looks on a white background.

Color Contrast Check

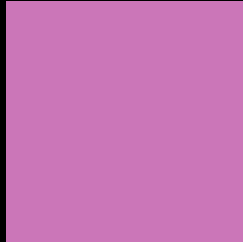
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.1141, 0.3377, 0.2473 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

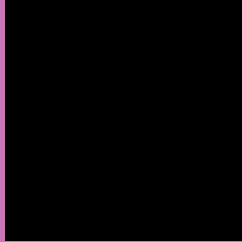
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.1141, 0.3377, 0.2473

Background



This preview shows how black text looks on a background with the Yxy color 29.1141, 0.3377, 0.2473.



This preview shows how white text looks on a background with the Yxy color 29.1141, 0.3377, 0.2473.

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

29.1141, 0.3377, 0.2473

Protanopia

29.3563, 0.2503, 0.2430

Deuteranopia

29.3122, 0.2827, 0.2765



Tritanopia

29.2503, 0.3852, 0.3172

Trichromacy



Original Color

29.1141, 0.3377, 0.2473



Protanomaly

28.5273, 0.2772, 0.2422



Deuteranomaly

28.8796, 0.3012, 0.2640



Tritanomaly

29.0278, 0.3682, 0.2899

Monochromacy



Original Color

29.1141, 0.3377, 0.2473



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

29.6556, 0.3218, 0.2944

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.1141, 0.3377, 0.2473 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(203, 118, 184)` looks like.

```
.text, #text, p{  
    color:rgb(203, 118, 184)  
}
```

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(203, 118, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 118, 184) }
```

Border

The CSS property to change the border of an element to Yxy 29.1141, 0.3377, 0.2473 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(203, 118, 184) }
```

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

```
.border{ border-color:rgb(203, 118, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(203, 118, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(203, 118, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(203, 118, 184); box-shadow:4px 4px 4px 4px rgb(203, 118, 184) }
```


Background

The CSS property to change the background color of an element to Yxy 29.1141, 0.3377, 0.2473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 118, 184) }
```

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

```
.background{ background-color: rgb(203,  
118, 184) }
```

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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