

Converting Colors

$Y_{xy}(31.5213, 0.3786, 0.2781)$

Have a look what the booklet for
Yxy(31.5213, 0.3786, 0.2781)
contains.

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Color

Yxy(31.5707, 0.3791, 0.2780)

Conversions

Conversions Part 1

Format	Color
Hex	DC79A4
RGB	220, 121, 164
RGB Percent	86%, 47%, 64%
CMY	0.1373, 0.5255, 0.3569
CMYK	0.00, 0.45, 0.25, 0.14
HSL	334°, 59%, 67%
HSV	334°, 45%, 86%
XYZ	43.0520, 31.5707, 38.9410
YIQ	155.5030, 45.2010, 34.3610

Conversions

Conversions Part 2

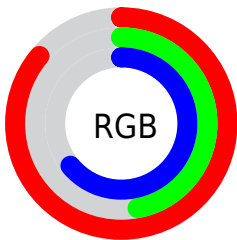
Format	Color
R _Y B	220, 121, 164
Decimal	14449060
CIE Lab	62.99, 43.53, -5.78
CIE LCh	63, 43.915, 352.436
Yxy	31.5707, 0.3791, 0.2780
Android (android.graphics.Color)	4292639140 (0xFFDC79A4)
YUV	155.5030, 4.1890, 56.5639
Hunter-Lab	56.1878, 38.4408, -1.7595

Details

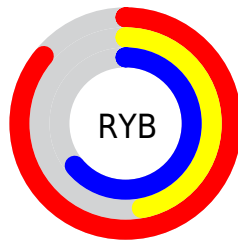
The Yxy color **31.5707, 0.3791, 0.2780** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **58.4260, 0.2751, 0.3881**, and the grayscale version is **32.9800, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0344, 0.3455, 0.2841**, and **13.2126, 0.4016, 0.2633** is the 20% darker color. If you saturate the color by 10%, you get **26.3928, 0.4020, 0.2679**, and if you desaturate by 10%, it is **38.0148, 0.3594, 0.2893**.

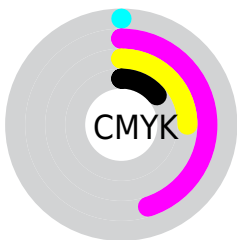
Distribution



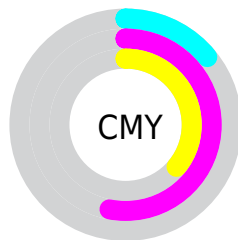
- Red (86%)
- Green (47%)
- Blue (64%)



- Red (86%)
- Yellow (47%)
- Blue (64%)



- Cyan (0%)
- Magenta (45%)
- Yellow (25%)
- Black (14%)




- Cyan (14%)
- Magenta (53%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.5707, 0.3791, 0.2780 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 31.5707, 0.3791, 0.2780 by changing the saturation by 10% instead.


 31.5707, 0.3791,
0.2780


 31.5707, 0.3791,
0.2780


309.1590, 0.3442,
0.3043


 21.0338, 0.3883,
0.2712


 62.1375, 0.3660,
0.2877

 13.1487, 0.4006,
0.2623


 82.9361, 0.3612,
0.2913

 7.5310, 0.4174,
0.2503


 107.9242, 0.3573,
0.2944

 3.7964, 0.4420,
0.2330

137.4860, 0.3539,
0.2969

 1.5603, 0.4812,
0.2065

172.0060, 0.3509,
0.2992

 0.3306, 0.5778,
0.1275

211.8686, 0.3484,

 0.0000, 1.0000,

0.3011

0.0000

257.4581, 0.3462,
0.3028

0.0000, 0.0000,
0.0000

31.5707, 0.3791,
0.2780

31.5707, 0.3791,
0.2780

26.3928, 0.4020,
0.2679

38.0148, 0.3594,
0.2893

22.3912, 0.4280,
0.2602

45.7979, 0.3428,
0.3011

19.4717, 0.4561,
0.2560


54.9923, 0.3290,
0.3127

17.5230, 0.4851,
0.2568


65.6642, 0.3176,
0.3237


16.4093, 0.5130,
0.2629

77.8752, 0.3083,
0.3341

 16.0510, 0.5264,
0.2673

 91.6837, 0.3006,
0.3437

 93.7081, 0.2938,
0.3329

 93.9553, 0.2917,
0.3289

Harmonies

Analogous

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



31.5707, 0.3076, 0.2416



31.5707, 0.3791, 0.2780



31.5707, 0.4345, 0.3261

Triad

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



31.5707, 0.3791, 0.2780



31.5707, 0.3724, 0.4559



31.5707, 0.1907, 0.2565

Complementary

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



31.5707, 0.3791, 0.2780



58.4260, 0.2751, 0.3881

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.



31.5707, 0.2035, 0.3133



31.5707, 0.3791, 0.2780



31.5707, 0.3053, 0.4440

Square

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



31.5707, 0.3791, 0.2780



31.5707, 0.4268, 0.4269



31.5707, 0.2438, 0.3866



31.5707, 0.2050, 0.2270

Rectangle

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



31.5707, 0.3791, 0.2780



31.5707, 0.4507, 0.3610



31.5707, 0.2438, 0.3866



31.5707, 0.1919, 0.2725

Sweetspot

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



31.5722, 0.3791, 0.2780



79.4932, 0.3267, 0.3148



28.0106, 0.2746, 0.2049



16.3467, 0.3294, 0.3123



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.



31.5722, 0.3791, 0.2780



37.2304, 0.4007, 0.2684



31.5072, 0.4301, 0.3353



13.1449, 0.3224, 0.3189



9.4419, 0.5226, 0.2653



0.6288, 0.4817, 0.2427

Inverse Universe

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



31.5722, 0.3791, 0.2780



37.2304, 0.4007, 0.2684



57.8584, 0.2514, 0.3224



13.1449, 0.3224, 0.3189



9.4419, 0.5226, 0.2653



0.6288, 0.4817, 0.2427

Previews

White Background



This preview shows how the Yxy color 31.5707, 0.3791, 0.2780 looks on a white background.

Color Contrast Check

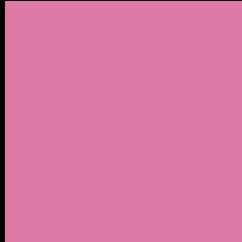
Large Text (above 18pt) WCAG AA × Fail

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 31.5707, 0.3791, 0.2780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

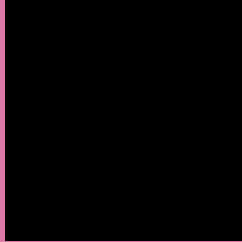
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.5707, 0.3791, 0.2780

Background



This preview shows how black text looks on a background with the Yxy color 31.5707, 0.3791, 0.2780.



This preview shows how white text looks on a background with the Yxy color 31.5707, 0.3791, 0.2780.

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

31.5707, 0.3791, 0.2780

Protanopia

32.0282, 0.2793, 0.2819

Deuteranopia

31.6823, 0.3196, 0.3129



Tritanopia

31.4510, 0.4085, 0.3171

Trichromacy



Original Color

31.5707, 0.3791, 0.2780

Protanomaly

31.1083, 0.3110, 0.2788

Deuteranomaly

31.0645, 0.3402, 0.2975

Tritanomaly

31.3961, 0.3980, 0.3025

Monochromacy



Original Color

31.5707, 0.3791, 0.2780

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

31.7318, 0.3350, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.5707, 0.3791, 0.2780 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(220, 121, 164)` looks like.

```
.text, #text, p{  
    color:rgb(220, 121, 164)  
}
```

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(220, 121, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 121, 164) }
```

Border

The CSS property to change the border of an element to Yxy 31.5707, 0.3791, 0.2780 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(220, 121, 164) }
```

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

```
.border{ border-color:rgb(220, 121, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 121, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 121, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 121, 164);  
box-shadow:4px 4px 4px 4px rgb(220, 121,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 31.5707, 0.3791, 0.2780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 121, 164) }
```

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

```
.background{ background-color: rgb(220,  
121, 164) }
```

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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