

Converting Colors

$Y_{xy}(31.2380, 0.3685, 0.2879)$

Have a look what the booklet for
Yxy(31.2380, 0.3685, 0.2879)
contains.

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Color

Yxy(31.1267, 0.3691, 0.2876)

Conversions

Conversions Part 1

Format	Color
Hex	D07FA0
RGB	208, 127, 160
RGB Percent	82%, 50%, 63%
CMY	0.1843, 0.5019, 0.3726
CMYK	0.00, 0.39, 0.23, 0.18
HSL	336°, 46%, 66%
HSV	336°, 39%, 82%
XYZ	39.9474, 31.1267, 37.1551
YIQ	154.9810, 37.6830, 27.4350

Conversions

Conversions Part 2

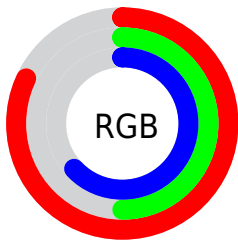
Format	Color
R _Y B	208, 127, 160
Decimal	13664160
CIE Lab	62.61, 35.67, -4.22
CIE LCh	63, 35.923, 353.257
Yxy	31.1267, 0.3691, 0.2876
Android (android.graphics.Color)	4291854240 (0xFFD07FA0)
YUV	154.9810, 2.4744, 46.4977
Hunter-Lab	55.7913, 30.1738, -0.4312

Details

The Yxy color **31.1267, 0.3691, 0.2876** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **52.7231, 0.2780, 0.3754**, and the grayscale version is **32.7466, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2140, 0.3479, 0.2942**, and **12.9484, 0.3872, 0.2741** is the 20% darker color. If you saturate the color by 10%, you get **25.8881, 0.3911, 0.2773**, and if you desaturate by 10%, it is **37.5201, 0.3505, 0.2985**.

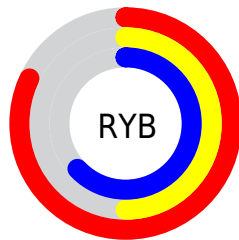
Distribution



Red (82%)

Green (50%)

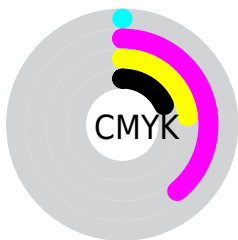
Blue (63%)



Red (82%)

Yellow (50%)

Blue (63%)

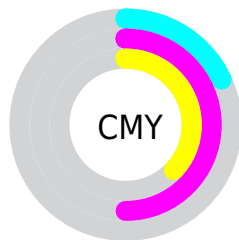


Cyan (0%)

Magenta (39%)

Yellow (23%)

Black (18%)



Cyan (18%)

Magenta (50%)

Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1267, 0.3691, 0.2876 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 31.1267, 0.3691, 0.2876 by changing the saturation by 10% instead.


 31.1267, 0.3691,
0.2876


 31.1267, 0.3691,
0.2876


307.1216, 0.3393,
0.3092


 20.6953, 0.3771,
0.2819


 61.4395, 0.3579,
0.2957

 12.9015, 0.3877,
0.2745


 82.0897, 0.3538,
0.2986

 7.3607, 0.4025,
0.2642


 106.9150, 0.3504,
0.3011

 3.6887, 0.4243,
0.2493

136.2998, 0.3475,
0.3032

 1.5010, 0.4598,
0.2258

170.6285, 0.3450,
0.3050

 0.2894, 0.5683,
0.1389

210.2854, 0.3428,

 0.0000, 1.0000,

0.3066

0.0000

255.6550, 0.3410,
0.3080

0.0000, 0.0000,
0.0000

31.1267, 0.3691,
0.2876

31.1267, 0.3691,
0.2876

25.8881, 0.3911,
0.2773

37.5201, 0.3505,
0.2985

21.7299, 0.4165,
0.2687

45.1280, 0.3350,
0.3095

18.5759, 0.4449,
0.2627


54.0110, 0.3222,
0.3201

16.3378, 0.4752,
0.2609


64.2247, 0.3117,
0.3300

14.9119, 0.5055,
0.2641

75.8211, 0.3031,
0.3393

 14.1306, 0.5339,
0.2722

 88.8495, 0.2960,
0.3478

 14.0620, 0.5368,
0.2731

 91.6031, 0.2895,
0.3380

 92.1508, 0.2849,
0.3289

Harmonies

Analogous

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



31.1267, 0.3107, 0.2559



31.1267, 0.3691, 0.2876



31.1267, 0.4135, 0.3292

Triad

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



31.1267, 0.3691, 0.2876



31.1267, 0.3623, 0.4334



31.1267, 0.2098, 0.2687

Complementary

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



31.1267, 0.3691, 0.2876



52.7231, 0.2780, 0.3754

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.



31.1267, 0.2207, 0.3158



31.1267, 0.3691, 0.2876



31.1267, 0.3064, 0.4207

Square

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



31.1267, 0.3691, 0.2876



31.1267, 0.4073, 0.4129



31.1267, 0.2549, 0.3744



31.1267, 0.2227, 0.2433

Rectangle

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



31.1267, 0.3691, 0.2876



31.1267, 0.4266, 0.3591



31.1267, 0.2549, 0.3744



31.1267, 0.2108, 0.2822

Sweetspot

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



31.1282, 0.3691, 0.2876



80.8929, 0.3260, 0.3167



28.7621, 0.2838, 0.2237



16.9094, 0.3277, 0.3153



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.



31.1282, 0.3691, 0.2876



42.0886, 0.3878, 0.2787



31.9254, 0.4057, 0.3379



11.8869, 0.3228, 0.3196



8.7817, 0.5332, 0.2711



0.5066, 0.4852, 0.2446

Inverse Universe

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



31.1282, 0.3691, 0.2876



42.0886, 0.3878, 0.2787



50.9594, 0.2578, 0.3197



11.8869, 0.3228, 0.3196



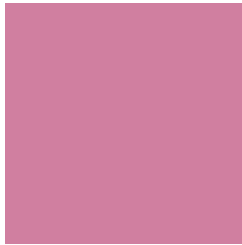
8.7817, 0.5332, 0.2711



0.5066, 0.4852, 0.2446

Previews

White Background



This preview shows how the Yxy color 31.1267, 0.3691, 0.2876 looks on a white background.

Color Contrast Check

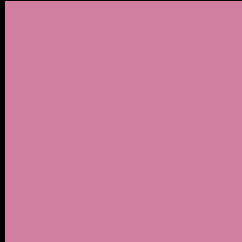
Large Text (above 18pt) WCAG AA × Fail

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 31.1267, 0.3691, 0.2876 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

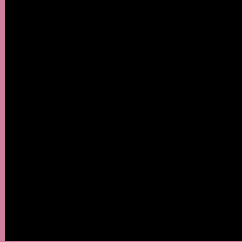
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1267, 0.3691, 0.2876

Background



This preview shows how black text looks on a background with the Yxy color 31.1267, 0.3691, 0.2876.



This preview shows how white text looks on a background with the Yxy color 31.1267, 0.3691, 0.2876.

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

31.1267, 0.3691, 0.2876

Protanopia

31.5243, 0.2884, 0.2931

Deuteranopia

31.1603, 0.3216, 0.3157



Tritanopia

31.2479, 0.3894, 0.3176

Trichromacy



Original Color

31.1267, 0.3691, 0.2876

Protanomaly

30.7943, 0.3146, 0.2891

Deuteranomaly

30.8938, 0.3387, 0.3052

Tritanomaly

31.3372, 0.3825, 0.3075

Monochromacy



Original Color

31.1267, 0.3691, 0.2876

Achromatopsia

32.7778, 0.3127, 0.3290

Achromatomaly

31.6838, 0.3314, 0.3119

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1267, 0.3691, 0.2876 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(208, 127, 160)` looks like.

```
.text, #text, p{  
    color:rgb(208, 127, 160)  
}
```

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(208, 127, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 127, 160) }
```

Border

The CSS property to change the border of an element to Yxy 31.1267, 0.3691, 0.2876 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(208, 127, 160) }
```

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

```
.border{ border-color:rgb(208, 127, 160) }
```

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

Here you see how a box with a 4 pixel rgb(208, 127, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 127, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 127, 160);  
box-shadow:4px 4px 4px 4px rgb(208, 127,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1267, 0.3691, 0.2876 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 127, 160) }
```

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

```
.background{ background-color: rgb(208,  
127, 160) }
```

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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