

Converting Colors

$Y_{xy}(48.2544, 0.3041, 0.2753)$

Have a look what the booklet for
Yxy(48.2544, 0.3041, 0.2753)
contains.

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Color

Yxy(48.1234, 0.3042, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	CEADDB
RGB	206, 173, 219
RGB Percent	81%, 68%, 86%
CMY	0.1923, 0.3215, 0.1412
CMYK	0.06, 0.21, 0.00, 0.14
HSL	283°, 39%, 77%
HSV	283°, 21%, 86%
XYZ	53.1752, 48.1234, 73.5049
YIQ	188.1110, 4.9020, 21.3020

Conversions

Conversions Part 2

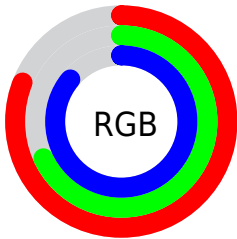
Format	Color
R _Y B	206, 173, 219
Decimal	13544923
CIE Lab	74.90, 20.17, -18.72
CIE LCh	75, 27.521, 317.143
Yxy	48.1234, 0.3042, 0.2753
Android (android.graphics.Color)	4291735003 (0xFFCEADDB)
YUV	188.1110, 15.2283, 15.6887
Hunter-Lab	69.3710, 15.4269, -14.2634

Details

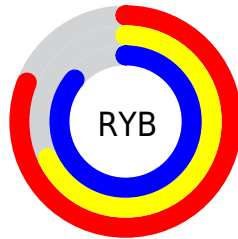
The Yxy color **48.1234, 0.3042, 0.2753** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **64.1288, 0.3194, 0.3854**, and the grayscale version is **50.2648, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.5186, 0.3139, 0.3039**, and **22.6926, 0.3009, 0.2609** is the 20% darker color. If you saturate the color by 10%, you get **39.5312, 0.2990, 0.2482**, and if you desaturate by 10%, it is **58.1315, 0.3087, 0.3016**.

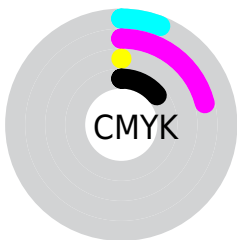
Distribution



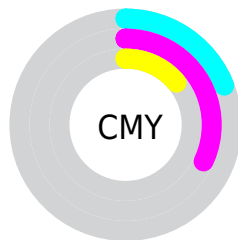
- Red (81%)
- Green (68%)
- Blue (86%)



- Red (81%)
- Yellow (68%)
- Blue (86%)



- Cyan (6%)
- Magenta (21%)
- Yellow (0%)
- Black (14%)



- Cyan (19%)
- Magenta (32%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 48.1234, 0.3042, 0.2753 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 48.1234, 0.3042, 0.2753 by changing the saturation by 10% instead.


 48.1234, 0.3042,
0.2753

 48.1234, 0.3042,
0.2753

379.2810, 0.3088,
0.3009

 33.9246, 0.3030,
0.2693


 87.3881, 0.3059,
0.2843

 22.8357, 0.3013,
0.2617


113.2228, 0.3066,
0.2878

 14.4722, 0.2991,
0.2520


143.7050, 0.3071,
0.2908

 8.4498, 0.2959,
0.2391

179.2189, 0.3075,
0.2934

 4.3841, 0.2909,
0.2211

220.1492, 0.3079,
0.2956

 1.8907, 0.2824,
0.1946

266.8800, 0.3083,

 0.5428, 0.2685,

0.2976

0.1429

319.7958, 0.3086,
0.2994

0.0000, 0.0000,
0.0000

48.1234, 0.3042,
0.2753

48.1234, 0.3042,
0.2753

39.5312, 0.2990,
0.2482

58.1315, 0.3087,
0.3016

32.2814, 0.2930,
0.2210

69.6121, 0.3124,
0.3266

26.3029, 0.2863,
0.1948


82.6262, 0.3154,
0.3499

21.5157, 0.2790,
0.1708


93.5911, 0.3183,
0.3658


17.8305, 0.2714,
0.1500


94.6419, 0.3223,
0.3654

 15.1450, 0.2636,
0.1335

 95.7297, 0.3263,
0.3650

 13.3373, 0.2560,
0.1218

 96.8549, 0.3303,
0.3645

 12.2720, 0.2494,
0.1148

 97.8946, 0.3339,
0.3641

Harmonies

Analogous

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



48.1234, 0.2699, 0.2670



48.1234, 0.3042, 0.2753



48.1234, 0.3429, 0.2958

Triad

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



48.1234, 0.3042, 0.2753



48.1234, 0.3807, 0.3823



48.1234, 0.2540, 0.3291

Complementary

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



48.1234, 0.3042, 0.2753



64.1288, 0.3194, 0.3854

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.



48.1234, 0.2810, 0.3657



48.1234, 0.3042, 0.2753



48.1234, 0.3542, 0.3968

Square

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



48.1234, 0.3042, 0.2753



48.1234, 0.3886, 0.3554



48.1234, 0.3175, 0.3915



48.1234, 0.2423, 0.2953

Rectangle

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



48.1234, 0.3042, 0.2753



48.1234, 0.3656, 0.3142



48.1234, 0.3175, 0.3915



48.1234, 0.2615, 0.3416

Sweetspot

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



48.1255, 0.3042, 0.2753



89.8100, 0.3106, 0.3142



49.4629, 0.2788, 0.2888



18.9957, 0.3103, 0.3125



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.



48.1255, 0.3042, 0.2753



62.5816, 0.3021, 0.2639



49.5984, 0.3227, 0.2869



13.0797, 0.3093, 0.3056



7.3344, 0.2505, 0.1154



0.5179, 0.2624, 0.1219

Inverse Universe

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



48.5027, 0.3430, 0.3138



63.2505, 0.3509, 0.3105



62.9371, 0.3041, 0.3751



13.1119, 0.3247, 0.3224



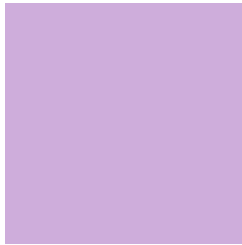
9.1531, 0.5808, 0.2973



0.6076, 0.5339, 0.2715

Previews

White Background



This preview shows how the Yxy color 48.1234, 0.3042, 0.2753 looks on a white background.

Color Contrast Check

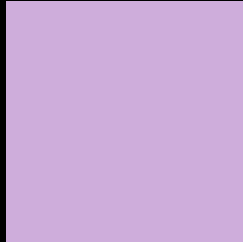
Large Text (above 18pt) WCAG AA × Fail

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 48.1234, 0.3042, 0.2753 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 48.1234, 0.3042, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 48.1234, 0.3042, 0.2753.



This preview shows how white text looks on a background with the Yxy color 48.1234, 0.3042, 0.2753.

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

48.1234, 0.3042, 0.2753

Protanopia

48.4719, 0.2753, 0.2761

Deuteranopia

48.1436, 0.2889, 0.2825



Tritanopia

48.2031, 0.3222, 0.3119

Trichromacy



Original Color

48.1234, 0.3042, 0.2753

Protanomaly

48.0070, 0.2853, 0.2757

Deuteranomaly

47.8437, 0.2943, 0.2796

Tritanomaly

48.0114, 0.3150, 0.2977

Monochromacy



Original Color

48.1234, 0.3042, 0.2753

Achromatopsia

50.2886, 0.3127, 0.3290

Achromatomaly

49.5926, 0.3103, 0.3093

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.1234, 0.3042, 0.2753 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(206, 173, 219)` looks like.

```
.text, #text, p{  
    color:rgb(206, 173, 219)  
}
```

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(206, 173, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 173, 219) }
```

Border

The CSS property to change the border of an element to Yxy 48.1234, 0.3042, 0.2753 is called "border". The border property can be set on classes, ids or directly on the HTML element.

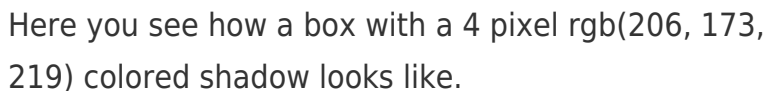
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(206, 173, 219) }
```

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

```
.border{ border-color:rgb(206, 173, 219) }
```

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



Here you see how a box with a 4 pixel `rgb(206, 173, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 173, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 173, 219); box-shadow:4px 4px 4px 4px rgb(206, 173, 219) }
```


Background

The CSS property to change the background color of an element to Yxy 48.1234, 0.3042, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 173, 219) }
```

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

```
.background{ background-color: rgb(206,  
173, 219) }
```

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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