

Converting Colors

$Y_{xy}(50.2476, 0.3048, 0.2478)$

Have a look what the booklet for
Yxy(50.2476, 0.3048, 0.2478)
contains.

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Color

Yxy(50.1772, 0.3048, 0.2481)

Conversions

Conversions Part 1

Format	Color
Hex	E4A6F2
RGB	228, 166, 242
RGB Percent	89%, 65%, 95%
CMY	0.1061, 0.3489, 0.0511
CMYK	0.06, 0.31, 0.00, 0.05
HSL	289°, 74%, 80%
HSV	289°, 31%, 95%
XYZ	61.6445, 50.1772, 90.4241
YIQ	193.2020, 12.5560, 36.7800

Conversions

Conversions Part 2

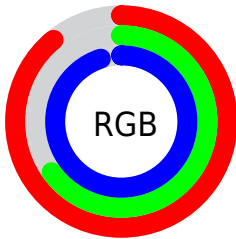
Format	Color
R _Y B	228, 166, 242
Decimal	14984946
CIE Lab	76.18, 35.48, -29.06
CIE LCh	76, 45.867, 320.679
Yxy	50.1772, 0.3048, 0.2481
Android (android.graphics.Color)	4293175026 (0xFFE4A6F2)
YUV	193.2020, 24.0574, 30.5178
Hunter-Lab	70.8359, 31.3759, -26.1004

Details

The Yxy color $50.1772, 0.3048, 0.2481$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $75.9566, 0.3172, 0.4193$, and the grayscale version is $53.3039, 0.3127, 0.3290$.

A 20% lighter version of the original color is $80.7226, 0.3142, 0.2970$, and $24.1261, 0.3017, 0.2290$ is the 20% darker color. If you saturate the color by 10%, you get $41.4708, 0.3012, 0.2221$, and if you desaturate by 10%, it is $60.5619, 0.3079, 0.2746$.

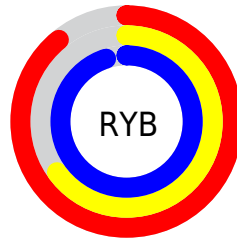
Distribution



Red (89%)

Green (65%)

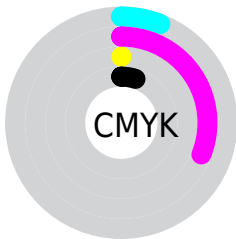
Blue (95%)



Red (89%)

Yellow (65%)

Blue (95%)

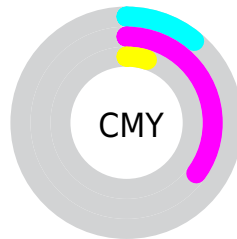


Cyan (6%)

Magenta (31%)

Yellow (0%)

Black (5%)



Cyan (11%)


Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.1772, 0.3048, 0.2481 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 50.1772, 0.3048, 0.2481 by changing the saturation by 10% instead.


 50.1772, 0.3048,
0.2481

 50.1772, 0.3048,
0.2481

387.3585, 0.3096,
0.2853

 35.5542, 0.3034,
0.2397


 90.4374, 0.3067,
0.2609

 24.0901, 0.3016,
0.2295


 116.8433, 0.3074,
0.2659

 15.4005, 0.2990,
0.2166


147.9458, 0.3079,
0.2703

 9.1009, 0.2952,
0.2001

184.1290, 0.3084,
0.2740

 4.8071, 0.2893,
0.1783

225.7776, 0.3088,
0.2774

 2.1345, 0.2795,
0.1485

273.2757, 0.3091,

 0.6839, 0.2616,

0.2803

0.1045

327.0079, 0.3094,
0.2829

0.0000, 0.2137,
0.0000

0.0000, 0.0000,
0.0000

50.1772, 0.3048,
0.2481

50.1772, 0.3048,
0.2481

41.4708, 0.3012,
0.2221

60.5619, 0.3079,
0.2746

34.3431, 0.2971,
0.1975


72.7043, 0.3104,
0.3006


28.6939, 0.2927,
0.1754

86.6866, 0.3125,
0.3256

24.4086, 0.2879,
0.1570


97.4915, 0.3145,
0.3417

 21.3558, 0.2829,
0.1428

 98.3086, 0.3173,
0.3416

 19.3776, 0.2780,
0.1333

 99.1452, 0.3201,
0.3415

 18.3198, 0.2738,
0.1282

 99.1896, 0.3203,
0.3415

Harmonies

Analogous

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



50.1772, 0.2491, 0.2325



50.1772, 0.3048, 0.2481



50.1772, 0.3688, 0.2807

Triad

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



50.1772, 0.3048, 0.2481



50.1772, 0.4181, 0.4161



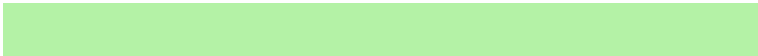
50.1772, 0.2154, 0.3193

Complementary

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



50.1772, 0.3048, 0.2481



75.9566, 0.3172, 0.4193

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.



50.1772, 0.2539, 0.3840



50.1772, 0.3048, 0.2481



50.1772, 0.3708, 0.4420

Square

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



50.1772, 0.3048, 0.2481



50.1772, 0.4375, 0.3724



50.1772, 0.3105, 0.4325



50.1772, 0.2018, 0.2667

Rectangle

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



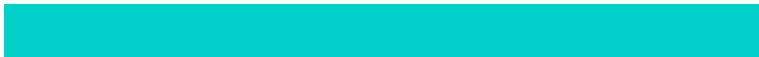
50.1772, 0.3048, 0.2481



50.1772, 0.4055, 0.3091



50.1772, 0.3105, 0.4325



50.1772, 0.2256, 0.3407

Sweetspot

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



50.1794, 0.3048, 0.2481



85.4264, 0.3109, 0.3067



47.6569, 0.2589, 0.2554



17.8151, 0.3106, 0.3029



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.



50.1794, 0.3048, 0.2481



49.7306, 0.3025, 0.2305



51.2816, 0.3353, 0.2727



15.8753, 0.3108, 0.3055



9.8991, 0.2746, 0.1286



0.8613, 0.2810, 0.1322

Inverse Universe

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



49.4544, 0.3711, 0.3138



48.8822, 0.3894, 0.3104



75.2687, 0.2958, 0.3931



15.8065, 0.3264, 0.3247



10.2560, 0.6113, 0.3141



0.8663, 0.5769, 0.2952

Previews

White Background



This preview shows how the Yxy color 50.1772, 0.3048, 0.2481 looks on a white background.

Color Contrast Check

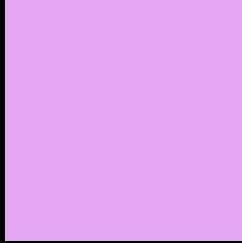
Large Text (above 18pt) WCAG AA × Fail

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 50.1772, 0.3048, 0.2481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

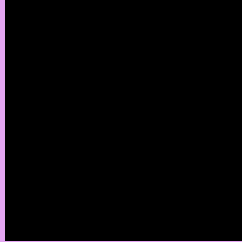
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1772, 0.3048, 0.2481

Background



This preview shows how black text looks on a background with the Yxy color 50.1772, 0.3048, 0.2481.



This preview shows how white text looks on a background with the Yxy color 50.1772, 0.3048, 0.2481.

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

50.1772, 0.3048, 0.2481

Protanopia

50.6626, 0.2536, 0.2483

Deuteranopia

50.5743, 0.2714, 0.2660



Tritanopia

49.9840, 0.3400, 0.3128

Trichromacy



Original Color

50.1772, 0.3048, 0.2481



Protanomaly

50.0895, 0.2704, 0.2481



Deuteranomaly

49.9431, 0.2827, 0.2589



Tritanomaly

49.7965, 0.3269, 0.2871

Monochromacy



Original Color

50.1772, 0.3048, 0.2481



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

51.6919, 0.3101, 0.2961

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1772, 0.3048, 0.2481 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(228, 166, 242)` looks like.

```
.text, #text, p{  
    color:rgb(228, 166, 242)  
}
```

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(228, 166, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 166, 242) }
```

Border

The CSS property to change the border of an element to Yxy 50.1772, 0.3048, 0.2481 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(228, 166, 242) }
```

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

```
.border{ border-color:rgb(228, 166, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 166, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 166, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 166, 242);  
box-shadow:4px 4px 4px 4px rgb(228, 166,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1772, 0.3048, 0.2481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 166, 242) }
```

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

```
.background{ background-color: rgb(228,  
166, 242) }
```

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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