

Converting Colors

$Y_{xy}(50.2357, 0.3218, 0.2771)$

Have a look what the booklet for
Yxy(50.2357, 0.3218, 0.2771)
contains.

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Color

Yxy(50.1953, 0.3212, 0.2767)

Conversions

Conversions Part 1

Format	Color
Hex	E1ABDA
RGB	225, 171, 218
RGB Percent	88%, 67%, 85%
CMY	0.1177, 0.3294, 0.1451
CMYK	0.00, 0.24, 0.03, 0.12
HSL	308°, 47%, 78%
HSV	308°, 24%, 88%
XYZ	58.2679, 50.1953, 72.9437
YIQ	192.5040, 17.0970, 26.0650

Conversions

Conversions Part 2

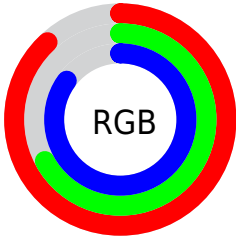
Format	Color
R _Y B	225, 171, 218
Decimal	14789594
CIE Lab	76.19, 27.38, -16.05
CIE LCh	76, 31.743, 329.619
Yxy	50.1953, 0.3212, 0.2767
Android (android.graphics.Color)	4292979674 (0xFFE1ABDA)
YUV	192.5040, 12.5695, 28.4990
Hunter-Lab	70.8486, 22.8183, -11.4492

Details

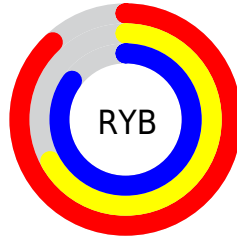
The Yxy color **50.1953, 0.3212, 0.2767** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **65.7230, 0.3052, 0.3876**, and the grayscale version is **52.9410, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4182, 0.3140, 0.3019**, and **24.0362, 0.3228, 0.2635** is the 20% darker color. If you saturate the color by 10%, you get **42.2569, 0.3255, 0.2547**, and if you desaturate by 10%, it is **59.5876, 0.3174, 0.2989**.

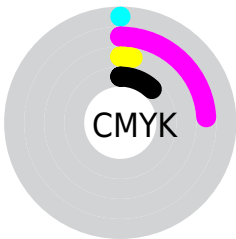
Distribution



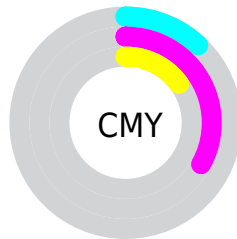
- Red (88%)
- Green (67%)
- Blue (85%)



- Red (88%)
- Yellow (67%)
- Blue (85%)



- Cyan (0%)
- Magenta (24%)
- Yellow (3%)
- Black (12%)





- Cyan (12%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1953, 0.3212, 0.2767 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 50.1953, 0.3212, 0.2767 by changing the saturation by 10% instead.


 50.1953, 0.3212,
0.2767

 50.1953, 0.3212,
0.2767


387.4292, 0.3175,
0.3014

 35.5686, 0.3220,
0.2709


 90.4642, 0.3200,
0.2854

 24.1012, 0.3229,
0.2638


116.8751, 0.3195,
0.2887

 15.4087, 0.3240,
0.2546


147.9830, 0.3190,
0.2916

 9.1067, 0.3254,
0.2425

184.1721, 0.3187,
0.2941

 4.8109, 0.3269,
0.2258

225.8269, 0.3183,
0.2962

 2.1367, 0.3286,
0.2014

273.3317, 0.3180,

 0.6852, 0.3307,

0.2982

0.1600

327.0710, 0.3177,
0.2999

0.0000, 0.2875,
0.0000

0.0000, 0.0000,
0.0000

50.1953, 0.3212,
0.2767

50.1953, 0.3212,
0.2767

42.2569, 0.3255,
0.2547

59.5876, 0.3174,
0.2989

35.6924, 0.3301,
0.2337

70.4952, 0.3140,
0.3206

30.4245, 0.3350,
0.2146

82.9840, 0.3110,
0.3413

26.3653, 0.3400,
0.1985

93.2219, 0.3086,
0.3550

■ 23.4160, 0.3451,
0.1861

■ 93.3869, 0.3070,
0.3519

■ 21.4625, 0.3499,
0.1781

■ 93.5547, 0.3053,
0.3489

■ 20.3656, 0.3545,
0.1746

■ 93.7252, 0.3037,
0.3459

■ 19.9845, 0.3571,
0.1741

■ 93.8986, 0.3021,
0.3428

■ 94.0747, 0.3005,
0.3398

Harmonies

Analogous

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



50.1953, 0.2789, 0.2613



50.1953, 0.3212, 0.2767



50.1953, 0.3638, 0.3039

Triad

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



50.1953, 0.3212, 0.2767



50.1953, 0.3793, 0.3984



50.1953, 0.2386, 0.3115

Complementary

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



50.1953, 0.3212, 0.2767



65.7230, 0.3052, 0.3876

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.



50.1953, 0.2621, 0.3540



50.1953, 0.3212, 0.2767



50.1953, 0.3428, 0.4070

Square

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



50.1953, 0.3212, 0.2767



50.1953, 0.3982, 0.3720



50.1953, 0.2999, 0.3909



50.1953, 0.2337, 0.2782

Rectangle

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



50.1953, 0.3212, 0.2767



50.1953, 0.3854, 0.3262



50.1953, 0.2999, 0.3909



50.1953, 0.2445, 0.3253

Sweetspot

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



50.1975, 0.3212, 0.2767



88.9871, 0.3149, 0.3140



43.9477, 0.2766, 0.2623



18.8541, 0.3151, 0.3127



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.



50.1975, 0.3212, 0.2767



60.9457, 0.3234, 0.2652



48.9284, 0.3438, 0.3053



13.9034, 0.3158, 0.3088



11.5285, 0.3565, 0.1737



0.8077, 0.3502, 0.1703

Inverse Universe

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



50.1975, 0.3212, 0.2767



60.9457, 0.3234, 0.2652



66.8824, 0.2894, 0.3541



13.9034, 0.3158, 0.3088



11.5285, 0.3565, 0.1737



0.8077, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 50.1953, 0.3212, 0.2767 looks on a white background.

Color Contrast Check

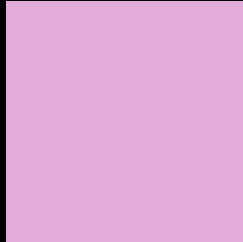
Large Text (above 18pt) WCAG AA × Fail

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 50.1953, 0.3212, 0.2767 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

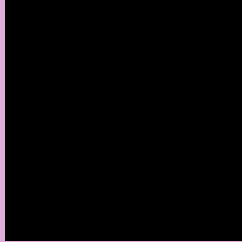
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1953, 0.3212, 0.2767

Background



This preview shows how black text looks on a background with the Yxy color 50.1953, 0.3212, 0.2767.



This preview shows how white text looks on a background with the Yxy color 50.1953, 0.3212, 0.2767.

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

50.1953, 0.3212, 0.2767

Protanopia

50.3030, 0.2772, 0.2780

Deuteranopia

50.1623, 0.2959, 0.2892



Tritanopia

50.1405, 0.3409, 0.3128

Trichromacy



Original Color

50.1953, 0.3212, 0.2767

Protanomaly

50.1653, 0.2925, 0.2782

Deuteranomaly

50.2291, 0.3048, 0.2845

Tritanomaly

49.9718, 0.3334, 0.2992

Monochromacy



Original Color

50.1953, 0.3212, 0.2767

Achromatopsia

53.3276, 0.3127, 0.3290

Achromatomaly

51.9413, 0.3162, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1953, 0.3212, 0.2767 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(225, 171, 218)` looks like.

```
.text, #text, p{  
    color:rgb(225, 171, 218)  
}
```

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(225, 171, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 171, 218) }
```

Border

The CSS property to change the border of an element to Yxy 50.1953, 0.3212, 0.2767 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(225, 171, 218) }
```

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

```
.border{ border-color:rgb(225, 171, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 171, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 171, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 171, 218);  
box-shadow:4px 4px 4px 4px rgb(225, 171,  
218) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1953, 0.3212, 0.2767 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 171, 218) }
```

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

```
.background{ background-color: rgb(225,  
171, 218) }
```

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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