

Converting Colors

$Y_{xy}(30.7924, 0.3335, 0.2122)$

Have a look what the booklet for
Yxy(30.7924, 0.3335, 0.2122)
contains.

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Color

Yxy(30.7849, 0.3342, 0.2125)

Conversions

Conversions Part 1

Format	Color
Hex	E367D4
RGB	227, 103, 212
RGB Percent	89%, 40%, 83%
CMY	0.1097, 0.5961, 0.1687
CMYK	0.00, 0.55, 0.07, 0.11
HSL	307°, 69%, 65%
HSV	307°, 55%, 89%
XYZ	48.4156, 30.7849, 65.6696
YIQ	152.5020, 38.9150, 60.1870

Conversions

Conversions Part 2

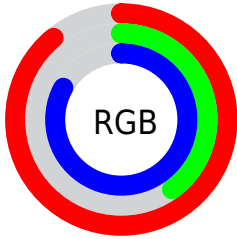
Format	Color
R _Y B	227, 103, 212
Decimal	14903252
CIE Lab	62.33, 61.71, -33.93
CIE LCh	62, 70.423, 331.193
Yxy	30.7849, 0.3342, 0.2125
Android (android.graphics.Color)	4293093332 (0xFFE367D4)
YUV	152.5020, 29.3325, 65.3347
Hunter-Lab	55.4841, 58.6623, -31.3352

Details

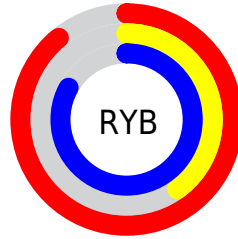
The Yxy color **30.7849, 0.3342, 0.2125** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **59.1408, 0.2975, 0.4843**, and the grayscale version is **31.4857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.2763, 0.3171, 0.2357**, and **12.7461, 0.3377, 0.1840** is the 20% darker color. If you saturate the color by 10%, you get **26.7295, 0.3389, 0.1965**, and if you desaturate by 10%, it is **36.0712, 0.3296, 0.2315**.

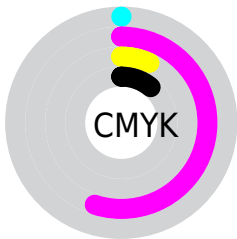
Distribution



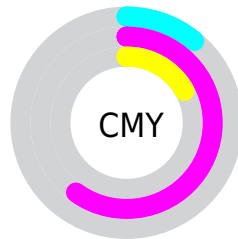
- Red (89%)
- Green (40%)
- Blue (83%)



- Red (89%)
- Yellow (40%)
- Blue (83%)



- Cyan (0%)
- Magenta (55%)
- Yellow (7%)
- Black (11%)




- Cyan (11%)
- Magenta (60%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7849, 0.3342, 0.2125 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 30.7849, 0.3342, 0.2125 by changing the saturation by 10% instead.


 30.7849, 0.3342,
0.2125

 30.7849, 0.3342,
0.2125


305.5461, 0.3254,
0.2680


 20.4351, 0.3358,
0.1997

 60.9013, 0.3315,
0.2319

 12.7117, 0.3375,
0.1838


 81.4366, 0.3303,
0.2395

 7.2303, 0.3391,
0.1638

 106.1360, 0.3293,
0.2459

 3.6066, 0.3403,
0.1382

 135.3837, 0.3283,
0.2515

 1.4560, 0.3398,
0.1048

169.5641, 0.3275,
0.2564

 0.2575, 0.3413,
0.0415

209.0618, 0.3267,

 0.0000, 0.3132,

0.2607

0.0000

254.2610, 0.3260,
0.2646

■ 0.0000, 0.0000,
0.0000

■ 30.7849, 0.3342,
0.2125

■ 30.7849, 0.3342,
0.2125

■ 26.7295, 0.3389,
0.1965

■ 36.0712, 0.3296,
0.2315

■ 23.7989, 0.3437,
0.1843

■ 42.6744, 0.3252,
0.2526

■ 21.8765, 0.3482,
0.1765


■ 50.6779, 0.3211,
0.2748

■ 20.8178, 0.3524,
0.1732

■ 60.1570, 0.3174,
0.2972


■ 20.4812, 0.3545,
0.1727

■ 71.1815, 0.3141,
0.3191

 83.8169, 0.3112,
0.3402

 93.6376, 0.3090,
0.3532

 93.7946, 0.3074,
0.3504

 93.9539, 0.3059,
0.3475

Harmonies

Analogous

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



30.7849, 0.2315, 0.1790



30.7849, 0.3342, 0.2125



30.7849, 0.4496, 0.2680

Triad

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



30.7849, 0.3342, 0.2125



30.7849, 0.4560, 0.4860



30.7849, 0.1403, 0.2661

Complementary

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



30.7849, 0.3342, 0.2125



59.1408, 0.2975, 0.4843

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.



30.7849, 0.1815, 0.3852



30.7849, 0.3342, 0.2125



30.7849, 0.3627, 0.5378

Square

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



30.7849, 0.3342, 0.2125



30.7849, 0.5189, 0.4096



30.7849, 0.2626, 0.5061



30.7849, 0.1367, 0.1977

Rectangle

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



30.7849, 0.3342, 0.2125



30.7849, 0.5059, 0.3123



30.7849, 0.2626, 0.5061



30.7849, 0.1494, 0.3008

Sweetspot

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



30.7863, 0.3342, 0.2125



76.3600, 0.3179, 0.2939



19.0606, 0.2173, 0.1586



15.7754, 0.3186, 0.2892



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.



30.7863, 0.3342, 0.2125



34.0031, 0.3398, 0.1940



28.2528, 0.4100, 0.2752



14.5836, 0.3156, 0.3086



11.9540, 0.3540, 0.1724



0.8919, 0.3485, 0.1693

Inverse Universe

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



30.7863, 0.3342, 0.2125



34.0031, 0.3398, 0.1940



61.1061, 0.2664, 0.3945



14.5836, 0.3156, 0.3086



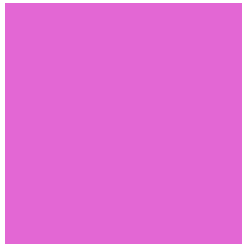
11.9540, 0.3540, 0.1724



0.8919, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 30.7849, 0.3342, 0.2125 looks on a white background.

Color Contrast Check

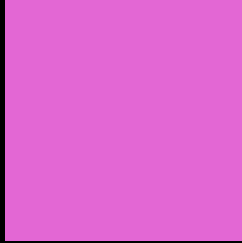
Large Text (above 18pt) WCAG AA × Fail

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 30.7849, 0.3342, 0.2125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

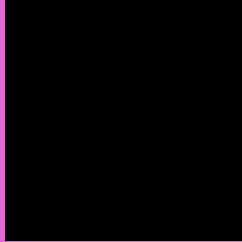
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7849, 0.3342, 0.2125

Background



This preview shows how black text looks on a background with the Yxy color 30.7849, 0.3342, 0.2125.



This preview shows how white text looks on a background with the Yxy color 30.7849, 0.3342, 0.2125.

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

30.7849, 0.3342, 0.2125

Protanopia

31.3344, 0.2141, 0.1967

Deuteranopia

31.0888, 0.2557, 0.2500



Tritanopia

30.7373, 0.4160, 0.3184

Trichromacy



Original Color

30.7849, 0.3342, 0.2125



Protanomaly

29.3310, 0.2452, 0.1969



Deuteranomaly

29.4425, 0.2800, 0.2298



Tritanomaly

30.4361, 0.3853, 0.2760

Monochromacy



Original Color

30.7849, 0.3342, 0.2125



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

30.0872, 0.3216, 0.2755

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7849, 0.3342, 0.2125 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(227, 103, 212)` looks like.

```
.text, #text, p{  
    color:rgb(227, 103, 212)  
}
```

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(227, 103, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 103, 212) }
```

Border

The CSS property to change the border of an element to Yxy 30.7849, 0.3342, 0.2125 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(227, 103, 212) }
```

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

```
.border{ border-color:rgb(227, 103, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 103, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(227, 103, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(227, 103, 212);  
box-shadow:4px 4px 4px 4px rgb(227, 103,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7849, 0.3342, 0.2125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 103, 212) }
```

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

```
.background{ background-color: rgb(227,  
103, 212) }
```

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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