

Converting Colors

$Y_{xy}(33.7350, 0.3328, 0.2289)$

Have a look what the booklet for
Yxy(33.7350, 0.3328, 0.2289)
contains.

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Color

Yxy(33.6941, 0.3319, 0.2283)

Conversions

Conversions Part 1

Format	Color
Hex	E077D2
RGB	224, 119, 210
RGB Percent	88%, 47%, 82%
CMY	0.1214, 0.5335, 0.1764
CMYK	0.00, 0.47, 0.06, 0.12
HSL	308°, 63%, 67%
HSV	308°, 47%, 88%
XYZ	48.9841, 33.6941, 64.9087
YIQ	160.7690, 33.3690, 50.5610

Conversions

Conversions Part 2

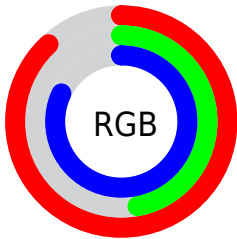
Format	Color
R_{YB}	224, 119, 210
Decimal	14710738
CIE _{Lab}	64.72, 52.95, -29.15
CIE _{LCh}	65, 60.443, 331.163
Yxy	33.6941, 0.3319, 0.2283
Android (android.graphics.Color)	4292900818 (0xFFE077D2)
YUV	160.7690, 24.2709, 55.4536
Hunter-Lab	58.0466, 49.0502, -25.6665

Details

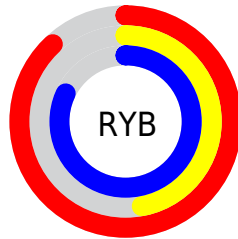
The Yxy color **33.6941, 0.3319, 0.2283** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.9524, 0.2985, 0.4570**, and the grayscale version is **35.4003, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.7521, 0.3164, 0.2498**, and **14.3626, 0.3361, 0.2033** is the 20% darker color. If you saturate the color by 10%, you get **28.8307, 0.3370, 0.2100**, and if you desaturate by 10%, it is **39.8201, 0.3271, 0.2488**.

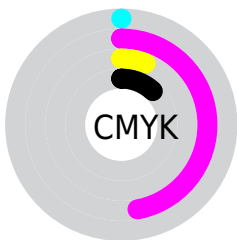
Distribution



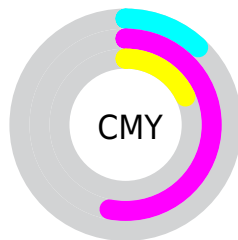
- Red (88%)
- Green (47%)
- Blue (82%)



- Red (88%)
- Yellow (47%)
- Blue (82%)



- Cyan (0%)
- Magenta (47%)
- Yellow (6%)
- Black (12%)



- Cyan (12%)
- Magenta (53%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.6941, 0.3319, 0.2283 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 33.6941, 0.3319, 0.2283 by changing the saturation by 10% instead.


 33.6941, 0.3319,
0.2283


 33.6941, 0.3319,
0.2283


318.7659, 0.3238,
0.2765


 22.6587, 0.3335,
0.2170


 65.4577, 0.3293,
0.2453

 14.3417, 0.3353,
0.2030

 86.9547, 0.3282,
0.2518

 8.3587, 0.3372,
0.1851


 112.7076, 0.3272,
0.2574

 4.3253, 0.3391,
0.1617

143.1009, 0.3264,
0.2623

 1.8572, 0.3402,
0.1305

178.5190, 0.3256,
0.2665

 0.5224, 0.3405,
0.0813

219.3463, 0.3249,

 0.0000, 0.3337,

0.2703

0.0000


265.9671, 0.3243,
0.2736


 0.0000, 0.0000,
0.0000

 33.6941, 0.3319,
0.2283


 33.6941, 0.3319,
0.2283


 28.8307, 0.3370,
0.2100


 39.8201, 0.3271,
0.2488


 25.1356, 0.3422,
0.1950

 47.2850, 0.3226,
0.2705


 22.5088, 0.3473,
0.1839


 56.1647, 0.3185,
0.2926

 20.8313, 0.3523,
0.1772

 66.5278, 0.3149,
0.3144


 19.9494, 0.3569,
0.1750


 78.4386, 0.3118,
0.3354

 19.7570, 0.3583,
0.1747

 91.9577, 0.3091,
0.3552

 93.1430, 0.3073,
0.3537

 93.3135, 0.3056,
0.3505

 93.4869, 0.3040,
0.3474

Harmonies

Analogous

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



33.6941, 0.2441, 0.1984



33.6941, 0.3319, 0.2283



33.6941, 0.4272, 0.2780

Triad

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



33.6941, 0.3319, 0.2283



33.6941, 0.4399, 0.4678



33.6941, 0.1635, 0.2788

Complementary

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



33.6941, 0.3319, 0.2283



58.9524, 0.2985, 0.4570

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.



33.6941, 0.2020, 0.3768



33.6941, 0.3319, 0.2283



33.6941, 0.3607, 0.5034

Square

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



33.6941, 0.3319, 0.2283



33.6941, 0.4901, 0.4050



33.6941, 0.2736, 0.4723



33.6941, 0.1591, 0.2176

Rectangle

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



33.6941, 0.3319, 0.2283



33.6941, 0.4743, 0.3181



33.6941, 0.2736, 0.4723



33.6941, 0.1724, 0.3082

Sweetspot

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



33.6956, 0.3319, 0.2283



78.9965, 0.3175, 0.2988



23.5551, 0.2344, 0.1857



16.2932, 0.3183, 0.2940



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.



33.6956, 0.3319, 0.2283



38.9449, 0.3367, 0.2109



31.4928, 0.3921, 0.2840



13.9025, 0.3158, 0.3089



11.5063, 0.3576, 0.1744



0.8064, 0.3511, 0.1708

Inverse Universe

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



33.6956, 0.3319, 0.2283



38.9449, 0.3367, 0.2109



60.7839, 0.2701, 0.3810



13.9025, 0.3158, 0.3089



11.5063, 0.3576, 0.1744



0.8064, 0.3511, 0.1708

Previews

White Background



This preview shows how the Yxy color 33.6941, 0.3319, 0.2283 looks on a white background.

Color Contrast Check

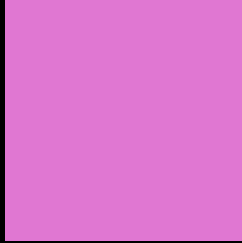
Large Text (above 18pt) WCAG AA × Fail

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 33.6941, 0.3319, 0.2283 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

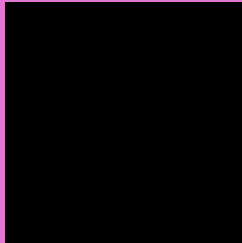
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6941, 0.3319, 0.2283

Background



This preview shows how black text looks on a background with the Yxy color 33.6941, 0.3319, 0.2283.



This preview shows how white text looks on a background with the Yxy color 33.6941, 0.3319, 0.2283.

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

33.6941, 0.3319, 0.2283

Protanopia

34.2049, 0.2313, 0.2195

Deuteranopia

34.0982, 0.2663, 0.2607



Tritanopia

33.6627, 0.3943, 0.3169

Trichromacy



Original Color

33.6941, 0.3319, 0.2283



Protanomaly

32.7340, 0.2599, 0.2194



Deuteranomaly

33.0323, 0.2879, 0.2456



Tritanomaly

33.5877, 0.3711, 0.2824

Monochromacy



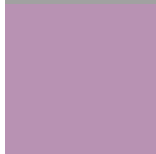
Original Color

33.6941, 0.3319, 0.2283



Achromatopsia

35.6400, 0.3127, 0.3290



Achromatomaly

34.0028, 0.3198, 0.2848

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6941, 0.3319, 0.2283 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(224, 119, 210)` looks like.

```
.text, #text, p{  
    color:rgb(224, 119, 210)  
}
```

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(224, 119, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 119, 210) }
```

Border

The CSS property to change the border of an element to Yxy 33.6941, 0.3319, 0.2283 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(224, 119, 210) }
```

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

```
.border{ border-color:rgb(224, 119, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 119, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 119, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 119, 210);  
box-shadow:4px 4px 4px 4px rgb(224, 119,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6941, 0.3319, 0.2283 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 119, 210) }
```

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

```
.background{ background-color: rgb(224,  
119, 210) }
```

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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