

Converting Colors

$Y_{xy}(32.8091, 0.3209, 0.2089)$

Have a look what the booklet for
Yxy(32.8091, 0.3209, 0.2089)
contains.

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Color

Yxy(32.9194, 0.3204, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	E26FE0
RGB	226, 111, 224
RGB Percent	89%, 44%, 88%
CMY	0.1136, 0.5648, 0.1215
CMYK	0.00, 0.51, 0.01, 0.11
HSL	301°, 67%, 66%
HSV	301°, 51%, 89%
XYZ	50.5143, 32.9194, 74.2263
YIQ	158.2670, 32.2670, 59.5230

Conversions

Conversions Part 2

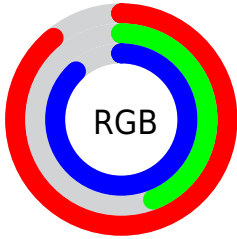
Format	Color
R _Y B	226, 111, 224
Decimal	14839776
CIE Lab	64.10, 59.77, -37.92
CIE LCh	64, 70.784, 327.603
Yxy	32.9194, 0.3204, 0.2088
Android (android.graphics.Color)	4293029856 (0xFFE26FE0)
YUV	158.2670, 32.4064, 59.4018
Hunter-Lab	57.3754, 56.7473, -36.5404

Details

The Yxy color **32.9194, 0.3204, 0.2088** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **58.9847, 0.3042, 0.4883**, and the grayscale version is **34.1569, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1174, 0.3167, 0.2431**, and **13.8844, 0.3197, 0.1806** is the 20% darker color. If you saturate the color by 10%, you get **28.5766, 0.3218, 0.1904**, and if you desaturate by 10%, it is **38.5129, 0.3189, 0.2302**.

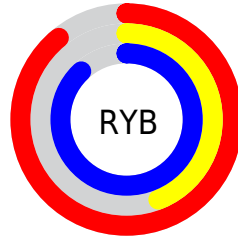
Distribution



Red (89%)

Green (44%)

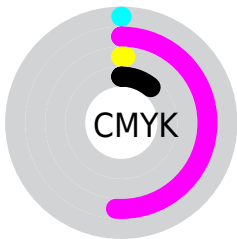
Blue (88%)



Red (89%)

Yellow (44%)

Blue (88%)

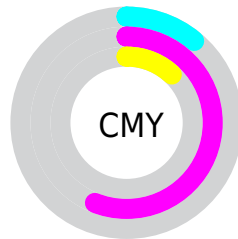


Cyan (0%)

Magenta (51%)

Yellow (1%)

Black (11%)



Cyan (11%)


Magenta (56%)


Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.9194, 0.3204, 0.2088 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 32.9194, 0.3204, 0.2088 by changing the saturation by 10% instead.


 32.9194, 0.3204,
0.2088


 32.9194, 0.3204,
0.2088


315.2864, 0.3189,
0.2652


 22.0647, 0.3201,
0.1960


 64.2497, 0.3204,
0.2284

 13.9045, 0.3194,
0.1803


 85.4940, 0.3202,
0.2360

 8.0542, 0.3179,
0.1607


 110.9704, 0.3200,
0.2426

 4.1297, 0.3148,
0.1359

141.0632, 0.3198,
0.2483

 1.7464, 0.3083,
0.1041

176.1568, 0.3195,
0.2533

 0.4534, 0.2966,
0.0564

216.6356, 0.3193,


 0.0000, 0.2665,


0.2577

0.0000


262.8840, 0.3191,
0.2617

 0.0000, 0.0000,
0.0000

 32.9194, 0.3204,
0.2088


 32.9194, 0.3204,
0.2088

 28.5766, 0.3218,
0.1904


 38.5129, 0.3189,
0.2302


 25.3841, 0.3230,
0.1757


 45.4387, 0.3173,
0.2536


 23.2332, 0.3240,
0.1653

 53.7766, 0.3158,
0.2781

 21.9926, 0.3248,
0.1592

 63.5991, 0.3143,
0.3027

 21.4531, 0.3254,
0.1566

 74.9735, 0.3128,
0.3269

■ 87.9631, 0.3115,
0.3500

■ 93.2303, 0.3109,
0.3579

■ 93.2522, 0.3107,
0.3575

■ 93.2742, 0.3104,
0.3571

Harmonies

Analogous

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



32.9194, 0.2230, 0.1787



32.9194, 0.3204, 0.2088



32.9194, 0.4349, 0.2616

Triad

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



32.9194, 0.3204, 0.2088



32.9194, 0.4640, 0.4758



32.9194, 0.1453, 0.2790

Complementary

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



32.9194, 0.3204, 0.2088



58.9847, 0.3042, 0.4883

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.



32.9194, 0.1913, 0.4003



32.9194, 0.3204, 0.2088



32.9194, 0.3744, 0.5315

Square

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



32.9194, 0.3204, 0.2088



32.9194, 0.5201, 0.4003



32.9194, 0.2752, 0.5120



32.9194, 0.1376, 0.2052

Rectangle

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



32.9194, 0.3204, 0.2088



32.9194, 0.4949, 0.3048



32.9194, 0.2752, 0.5120



32.9194, 0.1560, 0.3152

Sweetspot

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



32.9209, 0.3204, 0.2088



77.9337, 0.3149, 0.2924



20.3592, 0.2164, 0.1681



16.0971, 0.3152, 0.2872



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.



32.9209, 0.3204, 0.2088



37.3145, 0.3219, 0.1896



30.3128, 0.3852, 0.2654



13.9313, 0.3141, 0.3063



12.2360, 0.3253, 0.1566



0.8495, 0.3246, 0.1562

Inverse Universe

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



32.9209, 0.3204, 0.2088



37.3145, 0.3219, 0.1896



60.7110, 0.2745, 0.4059



13.9313, 0.3141, 0.3063



12.2360, 0.3253, 0.1566



0.8495, 0.3246, 0.1562

Previews

White Background



This preview shows how the Yxy color 32.9194, 0.3204, 0.2088 looks on a white background.

Color Contrast Check

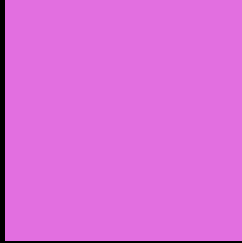
Large Text (above 18pt) WCAG AA × Fail

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 32.9194, 0.3204, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

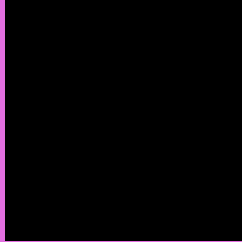
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9194, 0.3204, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 32.9194, 0.3204, 0.2088.



This preview shows how white text looks on a background with the Yxy color 32.9194, 0.3204, 0.2088.

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

32.9194, 0.3204, 0.2088

Protanopia

33.2539, 0.2148, 0.1972

Deuteranopia

33.2200, 0.2482, 0.2429



Tritanopia

32.7546, 0.3991, 0.3169

Trichromacy



Original Color

32.9194, 0.3204, 0.2088



Protanomaly

31.3915, 0.2428, 0.1965



Deuteranomaly

31.6163, 0.2701, 0.2246



Tritanomaly

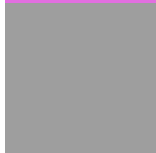
32.5712, 0.3699, 0.2734

Monochromacy



Original Color

32.9194, 0.3204, 0.2088



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

32.4944, 0.3163, 0.2741

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9194, 0.3204, 0.2088 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(226, 111, 224)` looks like.

```
.text, #text, p{  
    color:rgb(226, 111, 224)  
}
```

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(226, 111, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 111, 224) }
```

Border

The CSS property to change the border of an element to Yxy 32.9194, 0.3204, 0.2088 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(226, 111, 224) }
```

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

```
.border{ border-color:rgb(226, 111, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 111, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 111, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 111, 224);  
box-shadow:4px 4px 4px 4px rgb(226, 111,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9194, 0.3204, 0.2088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 111, 224) }
```

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

```
.background{ background-color: rgb(226,  
111, 224) }
```

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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