

Converting Colors

$Y_{xy}(34.7976, 0.3184, 0.2088)$

Have a look what the booklet for
Yxy(34.7976, 0.3184, 0.2088)
contains.

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Color

Yxy(34.7976, 0.3184, 0.2088)

Conversions

Conversions Part 1

Format	Color
Hex	E673E6
RGB	230, 115, 230
RGB Percent	90%, 45%, 90%
CMY	0.0978, 0.5492, 0.0980
CMYK	0.00, 0.50, 0.00, 0.10
HSL	300°, 70%, 68%
HSV	300°, 50%, 90%
XYZ	53.0630, 34.7976, 78.7946
YIQ	162.4950, 31.6250, 60.1450

Conversions

Conversions Part 2

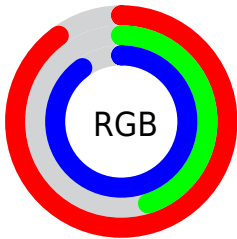
Format	Color
R _Y B	230, 115, 230
Decimal	15102950
CIE Lab	65.59, 60.02, -38.89
CIE LCh	66, 71.518, 327.062
Yxy	34.7976, 0.3184, 0.2088
Android (android.graphics.Color)	4293293030 (0xFFE673E6)
YUV	162.4950, 33.2800, 59.2019
Hunter-Lab	58.9895, 57.3351, -37.9033

Details

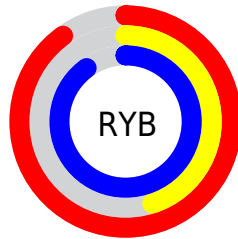
The Yxy color **34.7976, 0.3184, 0.2088** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **61.5080, 0.3052, 0.4880**, and the grayscale version is **36.2023, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.6058, 0.3166, 0.2469**, and **14.9546, 0.3169, 0.1808** is the 20% darker color. If you saturate the color by 10%, you get **30.1927, 0.3193, 0.1899**, and if you desaturate by 10%, it is **40.7144, 0.3174, 0.2306**.

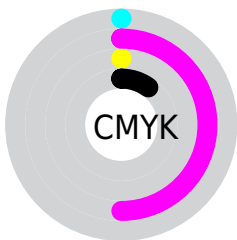
Distribution



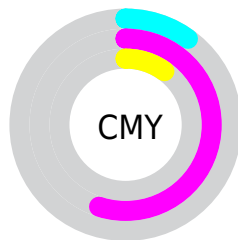
- Red (90%)
- Green (45%)
- Blue (90%)



- Red (90%)
- Yellow (45%)
- Blue (90%)



- Cyan (0%)
- Magenta (50%)
- Yellow (0%)
- Black (10%)





- Cyan (10%)
- Magenta (55%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7976, 0.3184, 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 34.7976, 0.3184, 0.2088 by changing the saturation by 10% instead.


 34.7976, 0.3184,
0.2088


 34.7976, 0.3184,
0.2088


323.6740, 0.3179,
0.2647


 23.5070, 0.3179,
0.1962


 67.1721, 0.3187,
0.2281

 14.9683, 0.3169,
0.1809


 89.0248, 0.3187,
0.2356

 8.7972, 0.3150,
0.1618


 115.1670, 0.3186,
0.2421

 4.6091, 0.3116,
0.1378

145.9830, 0.3185,
0.2478

 2.0198, 0.3049,
0.1072

181.8574, 0.3184,
0.2528

 0.6189, 0.2918,
0.0662

223.1744, 0.3182,


 0.0000, 0.2670,


0.2572


0.0000

270.3185, 0.3181,
0.2611


 0.0000, 0.0000,
0.0000

 34.7976, 0.3184,
0.2088


 34.7976, 0.3184,
0.2088

 30.1927, 0.3193,
0.1899


 40.7144, 0.3174,
0.2306


 26.7958, 0.3200,
0.1748


 48.0276, 0.3162,
0.2545


 24.4951, 0.3205,
0.1639

 56.8200, 0.3151,
0.2794

 23.1555, 0.3209,
0.1573

 67.1665, 0.3139,
0.3044

 22.5448, 0.3210,
0.1542

 79.1372, 0.3127,
0.3289

■ 92.7977, 0.3116,
0.3523

■ 94.0710, 0.3115,
0.3543

■ 94.0715, 0.3115,
0.3543

■ 94.0720, 0.3115,
0.3543

Harmonies

Analogous

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



34.7976, 0.2222, 0.1793



34.7976, 0.3184, 0.2088



34.7976, 0.4320, 0.2610

Triad

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



34.7976, 0.3184, 0.2088



34.7976, 0.4646, 0.4738



34.7976, 0.1468, 0.2813

Complementary

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



34.7976, 0.3184, 0.2088



61.5080, 0.3052, 0.4880

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.



34.7976, 0.1934, 0.4021



34.7976, 0.3184, 0.2088



34.7976, 0.3761, 0.5294

Square

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



34.7976, 0.3184, 0.2088



34.7976, 0.5193, 0.3989



34.7976, 0.2774, 0.5116



34.7976, 0.1384, 0.2070

Rectangle

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



34.7976, 0.3184, 0.2088



34.7976, 0.4922, 0.3039



34.7976, 0.2774, 0.5116



34.7976, 0.1578, 0.3175

Sweetspot

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



34.7992, 0.3184, 0.2088



77.9759, 0.3145, 0.2918



21.6104, 0.2169, 0.1705



16.1074, 0.3147, 0.2865



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.



34.7992, 0.3184, 0.2088



37.9789, 0.3193, 0.1894



32.0832, 0.3812, 0.2643



14.6152, 0.3138, 0.3059



12.7559, 0.3210, 0.1542



0.9426, 0.3210, 0.1542

Inverse Universe

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



34.7992, 0.3184, 0.2088



37.9789, 0.3193, 0.1894



63.2683, 0.2759, 0.4072



14.6152, 0.3138, 0.3059



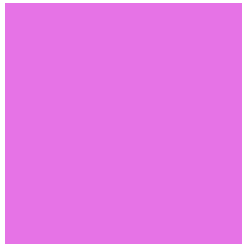
12.7559, 0.3210, 0.1542



0.9426, 0.3210, 0.1542

Previews

White Background



This preview shows how the Yxy color 34.7976, 0.3184, 0.2088 looks on a white background.

Color Contrast Check

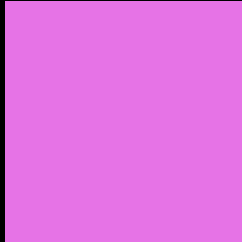
Large Text (above 18pt) WCAG AA × Fail

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 34.7976, 0.3184, 0.2088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

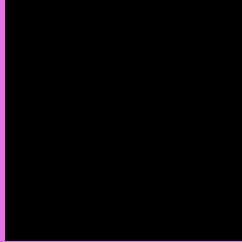
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7976, 0.3184, 0.2088

Background



This preview shows how black text looks on a background with the Yxy color 34.7976, 0.3184, 0.2088.

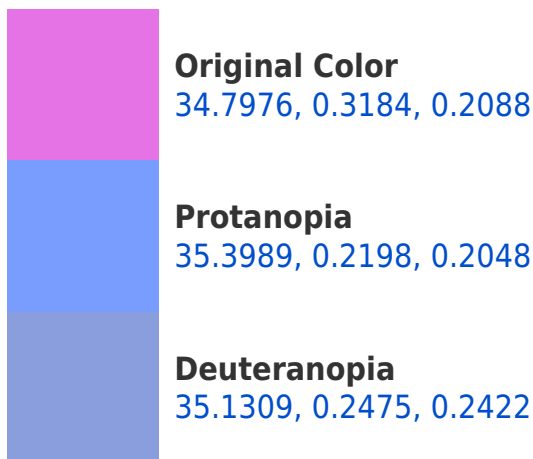


This preview shows how white text looks on a background with the Yxy color 34.7976, 0.3184, 0.2088.

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





Tritanopia

34.6189, 0.3958, 0.3159

Trichromacy



Original Color

34.7976, 0.3184, 0.2088



Protanomaly

33.5769, 0.2469, 0.2022



Deuteranomaly

33.4402, 0.2687, 0.2243



Tritanomaly

34.4600, 0.3663, 0.2721

Monochromacy



Original Color

34.7976, 0.3184, 0.2088



Achromatopsia

36.1307, 0.3127, 0.3290



Achromatomaly

34.4034, 0.3153, 0.2740

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7976, 0.3184, 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(230, 115, 230)` looks like.

```
.text, #text, p{  
    color:rgb(230, 115, 230)  
}
```

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(230, 115, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 115, 230) }
```

Border

The CSS property to change the border of an element to Yxy 34.7976, 0.3184, 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(230, 115, 230) }
```

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

```
.border{ border-color:rgb(230, 115, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 115, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 115, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 115, 230);  
box-shadow:4px 4px 4px 4px rgb(230, 115,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7976, 0.3184, 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(230, 115, 230) }
```

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

```
.background{ background-color: rgb(230,  
115, 230) }
```

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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