

Converting Colors

$Y_{xy}(35.8854, 0.3719, 0.2757)$

Have a look what the booklet for
Yxy(35.8854, 0.3719, 0.2757)
contains.

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Color

Yxy(35.9626, 0.3721, 0.2756)

Conversions

Conversions Part 1

Format	Color
Hex	E682B1
RGB	230, 130, 177
RGB Percent	90%, 51%, 69%
CMY	0.0980, 0.4902, 0.3059
CMYK	0.00, 0.43, 0.23, 0.10
HSL	332°, 67%, 71%
HSV	332°, 43%, 90%
XYZ	48.5547, 35.9626, 45.9711
YIQ	165.2580, 44.5130, 35.8170

Conversions

Conversions Part 2

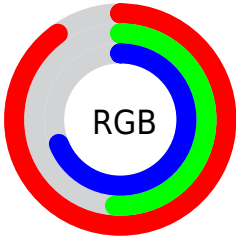
Format	Color
R_{YB}	230, 130, 177
Decimal	15106737
CIE _{Lab}	66.49, 44.13, -7.81
CIE _{LCh}	66, 44.820, 349.961
Yxy	35.9626, 0.3721, 0.2756
Android (android.graphics.Color)	4293296817 (0xFFE682B1)
YUV	165.2580, 5.7888, 56.7787
Hunter-Lab	59.9688, 39.5800, -3.4725

Details

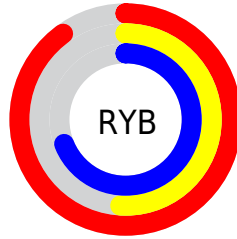
The Yxy color **35.9626, 0.3721, 0.2756** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **64.7691, 0.2779, 0.3908**, and the grayscale version is **37.7133, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8411, 0.3327, 0.2807**, and **15.5336, 0.3905, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **30.0495, 0.3930, 0.2644**, and if you desaturate by 10%, it is **43.2902, 0.3541, 0.2880**.

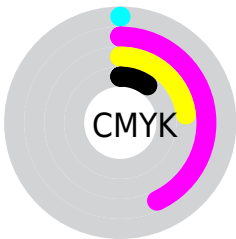
Distribution



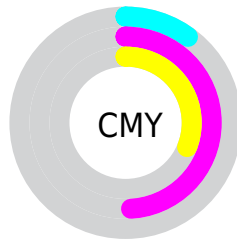
- Red (90%)
- Green (51%)
- Blue (69%)



- Red (90%)
- Yellow (51%)
- Blue (69%)



- Cyan (0%)
- Magenta (43%)
- Yellow (23%)
- Black (10%)





- Cyan (10%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9626, 0.3721, 0.2756 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 35.9626, 0.3721, 0.2756 by changing the saturation by 10% instead.


 35.9626, 0.3721,
0.2756


 35.9626, 0.3721,
0.2756


328.7970, 0.3417,
0.3024


 24.4053, 0.3799,
0.2689


 68.9743, 0.3609,
0.2854

 15.6346, 0.3900,
0.2603


 91.1976, 0.3567,
0.2890

 9.2659, 0.4037,
0.2489


 117.7449, 0.3532,
0.2921

 4.9150, 0.4232,
0.2330

149.0008, 0.3503,
0.2947

 2.1975, 0.4530,
0.2095

185.3495, 0.3477,
0.2970

 0.7186, 0.5047,
0.1699

227.1755, 0.3454,


 0.0000, 0.8517,


0.2991


0.0000

274.8633, 0.3435,
0.3008


 0.0000, 0.0000,
0.0000


 35.9626, 0.3721,
0.2756


 35.9626, 0.3721,
0.2756

 30.0495, 0.3930,
0.2644


 43.2902, 0.3541,
0.2880


 25.4523, 0.4166,
0.2554


 52.1118, 0.3390,
0.3007

 22.0679, 0.4424,
0.2499

 62.5072, 0.3264,
0.3131

 19.7755, 0.4692,
0.2492

 74.5491, 0.3159,
0.3250

 18.4285, 0.4955,
0.2539

 88.3054, 0.3073,
0.3362

■ 17.9101, 0.5119,
0.2593

■ 95.2581, 0.3002,
0.3338

■ 95.5659, 0.2976,
0.3290

Harmonies

Analogous

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



35.9626, 0.3021, 0.2411



35.9626, 0.3721, 0.2756



35.9626, 0.4285, 0.3222

Triad

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



35.9626, 0.3721, 0.2756



35.9626, 0.3765, 0.4520



35.9626, 0.1931, 0.2618

Complementary

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



35.9626, 0.3721, 0.2756



64.7691, 0.2779, 0.3908

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.



35.9626, 0.2080, 0.3194



35.9626, 0.3721, 0.2756



35.9626, 0.3112, 0.4439

Square

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



35.9626, 0.3721, 0.2756



35.9626, 0.4278, 0.4216



35.9626, 0.2497, 0.3910



35.9626, 0.2049, 0.2305

Rectangle

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



35.9626, 0.3721, 0.2756



35.9626, 0.4467, 0.3564



35.9626, 0.2497, 0.3910



35.9626, 0.1950, 0.2783

Sweetspot

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



35.9643, 0.3721, 0.2756



79.5622, 0.3259, 0.3136



31.5842, 0.2732, 0.2080



16.3637, 0.3285, 0.3109



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.



35.9643, 0.3721, 0.2756



38.7675, 0.3904, 0.2656



34.8492, 0.4265, 0.3313



14.4802, 0.3219, 0.3180



10.1622, 0.5082, 0.2573



0.7696, 0.4737, 0.2383

Inverse Universe

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



35.9643, 0.3721, 0.2756



38.7675, 0.3904, 0.2656



66.1397, 0.2536, 0.3268



14.4802, 0.3219, 0.3180



10.1622, 0.5082, 0.2573



0.7696, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 35.9626, 0.3721, 0.2756 looks on a white background.

Color Contrast Check

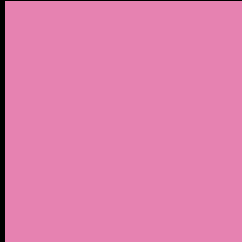
Large Text (above 18pt) WCAG AA × Fail

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 35.9626, 0.3721, 0.2756 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

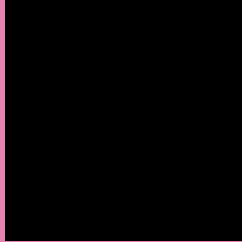
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9626, 0.3721, 0.2756

Background



This preview shows how black text looks on a background with the Yxy color 35.9626, 0.3721, 0.2756.



This preview shows how white text looks on a background with the Yxy color 35.9626, 0.3721, 0.2756.

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

35.9626, 0.3721, 0.2756

Protanopia

36.3910, 0.2770, 0.2789

Deuteranopia

35.9767, 0.3147, 0.3081



Tritanopia

36.0145, 0.4027, 0.3175

Trichromacy



Original Color

35.9626, 0.3721, 0.2756



Protanomaly

35.4755, 0.3075, 0.2762



Deuteranomaly

35.3928, 0.3347, 0.2938



Tritanomaly

35.9785, 0.3917, 0.3024

Monochromacy



Original Color

35.9626, 0.3721, 0.2756



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

36.1399, 0.3338, 0.3064

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9626, 0.3721, 0.2756 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, 130, 177)` looks like.

```
.text, #text, p{  
    color:rgb(230, 130, 177)  
}
```

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, 130, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 130, 177) }
```

Border

The CSS property to change the border of an element to Yxy 35.9626, 0.3721, 0.2756 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, 130, 177) }
```

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

```
.border{ border-color:rgb(230, 130, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 130, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 130, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 130, 177);  
box-shadow:4px 4px 4px 4px rgb(230, 130,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9626, 0.3721, 0.2756 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 130, 177) }
```

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

```
.background{ background-color: rgb(230,  
130, 177) }
```

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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