

Converting Colors

$Y_{xy}(36.7009, 0.3763, 0.2763)$

Have a look what the booklet for
Yxy(36.7009, 0.3763, 0.2763)
contains.

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Color

Yxy(36.6320, 0.3762, 0.2764)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EA82B1 |
| RGB | 234, 130, 177 |
| RGB Percent | 92%, 51%, 69% |
| CMY | 0.0822, 0.4903, 0.3058 |
| CMYK | 0.00, 0.44, 0.24, 0.08 |
| HSL | 333°, 71%, 71% |
| HSV | 333°, 44%, 92% |
| XYZ | 49.8587, 36.6320, 46.0418 |
| YIQ | 166.4540, 46.8970, 36.6650 |

Conversions

Conversions Part 2

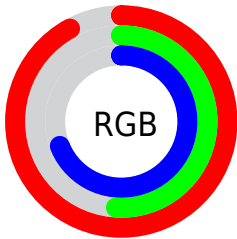
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 234, 130, 177 |
| Decimal | 15368881 |
| CIE _{Lab} | 67.00, 45.49, -7.01 |
| CIE _{LCh} | 67, 46.026, 351.236 |
| Yxy | 36.6320, 0.3762, 0.2764 |
| Android (android.graphics.Color) | 4293558961 (0xFFEA82B1) |
| YUV | 166.4540, 5.1992, 59.2378 |
| Hunter-Lab | 60.5244, 41.1270, -2.7357 |

Details

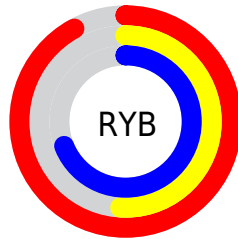
The Yxy color **36.6320, 0.3762, 0.2764** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **67.1974, 0.2763, 0.3900**, and the grayscale version is **38.3218, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8411, 0.3327, 0.2807**, and **15.9931, 0.3962, 0.2619** is the 20% darker color. If you saturate the color by 10%, you get **30.6132, 0.3983, 0.2658**, and if you desaturate by 10%, it is **44.1181, 0.3572, 0.2883**.

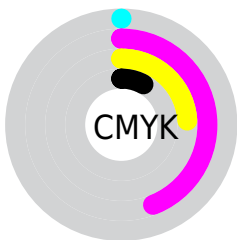
Distribution



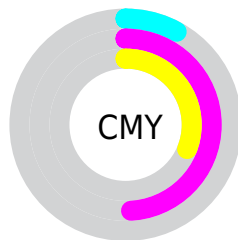
- Red (92%)
- Green (51%)
- Blue (69%)



- Red (92%)
- Yellow (51%)
- Blue (69%)



- Cyan (0%)
- Magenta (44%)
- Yellow (24%)
- Black (8%)





- Cyan (8%)
- Magenta (49%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6320, 0.3762, 0.2764 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 36.6320, 0.3762, 0.2764 by changing the saturation by 10% instead.


 36.6320, 0.3762,
0.2764


 36.6320, 0.3762,
0.2764


331.7145, 0.3437,
0.3028

 24.9227, 0.3845,
0.2698


 70.0064, 0.3642,
0.2860

 16.0195, 0.3953,
0.2614


 92.4404, 0.3598,
0.2896

 9.5379, 0.4099,
0.2501


 119.2179, 0.3561,
0.2926

 5.0937, 0.4306,
0.2345

150.7236, 0.3529,
0.2952

 2.3023, 0.4621,
0.2115

187.3416, 0.3501,
0.2975

 0.7749, 0.5159,
0.1738

229.4566, 0.3477,

 0.0000, 0.8607,

0.2995

0.0000

277.4527, 0.3456,
0.3012

0.0000, 0.0000,
0.0000

36.6320, 0.3762,
0.2764

36.6320, 0.3762,
0.2764

30.6132, 0.3983,
0.2658

44.1181, 0.3572,
0.2883

25.9577, 0.4232,
0.2575

53.1554, 0.3413,
0.3005

22.5565, 0.4503,
0.2528


63.8280, 0.3280,
0.3126


20.2811, 0.4783,
0.2531

76.2121, 0.3170,
0.3241

18.9746, 0.5054,
0.2588

90.3793, 0.3079,
0.3349

 18.5339, 0.5197,
0.2637

 96.1717, 0.3005,
0.3300

 96.2381, 0.3000,
0.3290

Harmonies

Analogous

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



36.6320, 0.3048, 0.2407



36.6320, 0.3762, 0.2764



36.6320, 0.4326, 0.3241

Triad

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



36.6320, 0.3762, 0.2764



36.6320, 0.3748, 0.4551



36.6320, 0.1909, 0.2584

Complementary

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



36.6320, 0.3762, 0.2764



67.1974, 0.2763, 0.3900

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.



36.6320, 0.2048, 0.3161



36.6320, 0.3762, 0.2764



36.6320, 0.3081, 0.4451

Square

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



36.6320, 0.3762, 0.2764



36.6320, 0.4282, 0.4250



36.6320, 0.2461, 0.3893



36.6320, 0.2041, 0.2279

Rectangle

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



36.6320, 0.3762, 0.2764



36.6320, 0.4500, 0.3589



36.6320, 0.2461, 0.3893



36.6320, 0.1925, 0.2748

Sweetspot

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



36.6338, 0.3762, 0.2764



79.5275, 0.3263, 0.3142



32.2772, 0.2735, 0.2055



16.3552, 0.3289, 0.3116



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.



36.6338, 0.3762, 0.2764



37.9902, 0.3954, 0.2670



36.0086, 0.4296, 0.3333



15.1672, 0.3222, 0.3184



10.4363, 0.5159, 0.2616



0.8387, 0.4821, 0.2429

Inverse Universe

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



36.6338, 0.3762, 0.2764



37.9902, 0.3954, 0.2670



67.5956, 0.2522, 0.3246



15.1672, 0.3222, 0.3184



10.4363, 0.5159, 0.2616



0.8387, 0.4821, 0.2429

Previews

White Background



This preview shows how the Yxy color 36.6320, 0.3762, 0.2764 looks on a white background.

Color Contrast Check

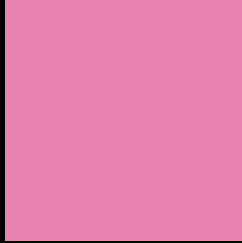
Large Text (above 18pt) WCAG AA × Fail

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 36.6320, 0.3762, 0.2764 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

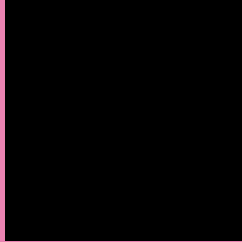
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6320, 0.3762, 0.2764

Background



This preview shows how black text looks on a background with the Yxy color 36.6320, 0.3762, 0.2764.



This preview shows how white text looks on a background with the Yxy color 36.6320, 0.3762, 0.2764.

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

36.6320, 0.3762, 0.2764

Protanopia

36.9858, 0.2781, 0.2793

Deuteranopia

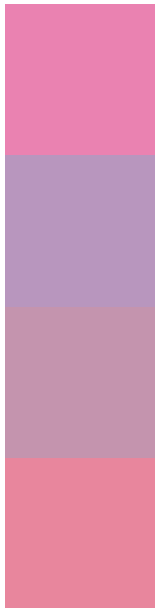
36.8888, 0.3164, 0.3111



Tritanopia

36.6726, 0.4068, 0.3177

Trichromacy



Original Color

36.6320, 0.3762, 0.2764

Protanomaly

35.7207, 0.3094, 0.2765

Deuteranomaly

35.9716, 0.3366, 0.2953

Tritanomaly

36.6403, 0.3959, 0.3029

Monochromacy



Original Color

36.6320, 0.3762, 0.2764

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

36.7611, 0.3347, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6320, 0.3762, 0.2764 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(234, 130, 177)` looks like.

```
.text, #text, p{  
    color:rgb(234, 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(234, 130, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 130, 177) }
```

Border

The CSS property to change the border of an element to Yxy 36.6320, 0.3762, 0.2764 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(234, 130, 177) }
```

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

```
.border{ border-color:rgb(234, 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(234, 130, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 130, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 130, 177);  
box-shadow:4px 4px 4px 4px rgb(234, 130,  
177) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6320, 0.3762, 0.2764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 130, 177) }
```

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

```
.background{ background-color: rgb(234,  
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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