

Converting Colors

$Y_{xy}(47.8001, 0.3353, 0.2768)$

Have a look what the booklet for
Yxy(47.8001, 0.3353, 0.2768)
contains.

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Color

Yxy(47.6496, 0.3351, 0.2761)

Conversions

Conversions Part 1

Format	Color
Hex	E8A2D2
RGB	232, 162, 210
RGB Percent	91%, 64%, 82%
CMY	0.0901, 0.3647, 0.1766
CMYK	0.00, 0.30, 0.10, 0.09
HSL	319°, 60%, 77%
HSV	319°, 30%, 91%
XYZ	57.8319, 47.6496, 67.0995
YIQ	188.4020, 26.3120, 29.7680

Conversions

Conversions Part 2

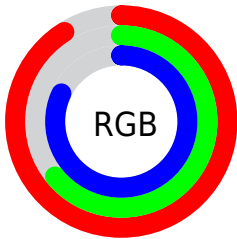
Format	Color
R _Y B	232, 162, 210
Decimal	15246034
CIE Lab	74.60, 33.16, -13.98
CIE LCh	75, 35.984, 337.133
Yxy	47.6496, 0.3351, 0.2761
Android (android.graphics.Color)	4293436114 (0xFFE8A2D2)
YUV	188.4020, 10.6478, 38.2354
Hunter-Lab	69.0287, 28.7462, -9.3129

Details

The Yxy color $47.6496, 0.3351, 0.2761$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $68.8664, 0.2958, 0.3887$, and the grayscale version is $50.4579, 0.3127, 0.3290$.

A 20% lighter version of the original color is $78.6228, 0.3144, 0.2930$, and $22.4178, 0.3408, 0.2628$ is the 20% darker color. If you saturate the color by 10%, you get $39.8619, 0.3450, 0.2584$, and if you desaturate by 10%, it is $56.9662, 0.3265, 0.2941$.

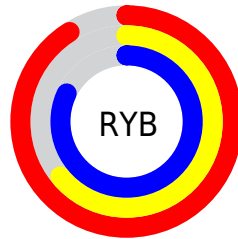
Distribution



Red (91%)

Green (64%)

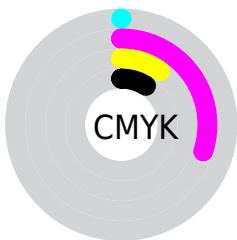
Blue (82%)



Red (91%)

Yellow (64%)

Blue (82%)

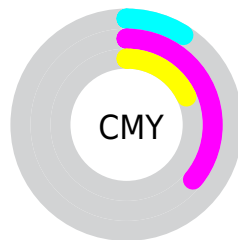


Cyan (0%)

Magenta (30%)

Yellow (10%)

Black (9%)



Cyan (9%)


Magenta (36%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6496, 0.3351, 0.2761 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 47.6496, 0.3351, 0.2761 by changing the saturation by 10% instead.

 47.6496, 0.3351,
0.2761

 47.6496, 0.3351,
0.2761


377.4015, 0.3245,
0.3013

 33.5495, 0.3376,
0.2702


 86.6825, 0.3314,
0.2850

 22.5477, 0.3407,
0.2628


 112.3840, 0.3299,
0.2884

 14.2599, 0.3446,
0.2533


142.7215, 0.3287,
0.2913

 8.3017, 0.3498,
0.2407

178.0793, 0.3277,
0.2938

 4.2886, 0.3570,
0.2232

218.8418, 0.3267,
0.2960

 1.8363, 0.3676,
0.1974

265.3934, 0.3259,

 0.5096, 0.3896,

0.2980

0.1439

318.1185, 0.3252,
0.2997

0.0000, 0.4248,
0.0000

0.0000, 0.0000,
0.0000

47.6496, 0.3351,
0.2761

47.6496, 0.3351,
0.2761

39.8619, 0.3450,
0.2584

56.9662, 0.3265,
0.2941

33.5133, 0.3562,
0.2418

67.8820, 0.3191,
0.3118

28.5148, 0.3686,
0.2274

80.4710, 0.3128,
0.3287

24.7644, 0.3818,
0.2162

94.8004, 0.3076,
0.3447

■ 22.1459, 0.3955,
0.2093

■ 95.3630, 0.3035,
0.3375

■ 20.5208, 0.4090,
0.2074

■ 95.8218, 0.2994,
0.3301

■ 19.6597, 0.4220,
0.2099

■ 95.8984, 0.2988,
0.3290

Harmonies

Analogous

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



47.6496, 0.2850, 0.2549



47.6496, 0.3351, 0.2761



47.6496, 0.3821, 0.3092

Triad

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



47.6496, 0.3351, 0.2761



47.6496, 0.3797, 0.4136



47.6496, 0.2247, 0.2972

Complementary

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



47.6496, 0.3351, 0.2761



68.8664, 0.2958, 0.3887

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.



47.6496, 0.2460, 0.3451



47.6496, 0.3351, 0.2761



47.6496, 0.3345, 0.4179

Square

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



47.6496, 0.3351, 0.2761



47.6496, 0.4081, 0.3863



47.6496, 0.2856, 0.3921



47.6496, 0.2247, 0.2637

Rectangle

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



47.6496, 0.3351, 0.2761



47.6496, 0.4034, 0.3351



47.6496, 0.2856, 0.3921



47.6496, 0.2295, 0.3121

Sweetspot

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



47.6518, 0.3351, 0.2761



85.7646, 0.3183, 0.3137



41.7371, 0.2755, 0.2445



17.8992, 0.3193, 0.3112



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.



47.6518, 0.3351, 0.2761



53.0214, 0.3409, 0.2654



46.1351, 0.3669, 0.3132



14.5339, 0.3186, 0.3130



10.9365, 0.4200, 0.2087



0.8248, 0.4019, 0.1988

Inverse Universe

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



47.6518, 0.3351, 0.2761



53.0214, 0.3409, 0.2654



70.4662, 0.2768, 0.3457



14.5339, 0.3186, 0.3130



10.9365, 0.4200, 0.2087



0.8248, 0.4019, 0.1988

Previews

White Background



This preview shows how the Yxy color 47.6496, 0.3351, 0.2761 looks on a white background.

Color Contrast Check

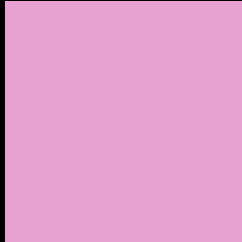
Large Text (above 18pt) WCAG AA × Fail

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 47.6496, 0.3351, 0.2761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

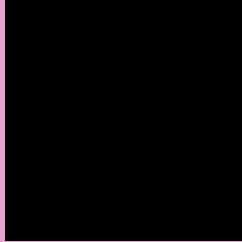
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6496, 0.3351, 0.2761

Background



This preview shows how black text looks on a background with the Yxy color 47.6496, 0.3351, 0.2761.



This preview shows how white text looks on a background with the Yxy color 47.6496, 0.3351, 0.2761.

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

47.6496, 0.3351, 0.2761

Protanopia

47.8976, 0.2772, 0.2782

Deuteranopia

47.8216, 0.3010, 0.2945



Tritanopia

47.4267, 0.3580, 0.3142

Trichromacy



Original Color

47.6496, 0.3351, 0.2761



Protanomaly

47.4577, 0.2967, 0.2775



Deuteranomaly

47.5630, 0.3129, 0.2874



Tritanomaly

47.3299, 0.3491, 0.2995

Monochromacy



Original Color

47.6496, 0.3351, 0.2761



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

49.0631, 0.3206, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6496, 0.3351, 0.2761 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(232, 162, 210)` looks like.

```
.text, #text, p{  
    color:rgb(232, 162, 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(232, 162, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(232, 162, 210) }
```

Border

The CSS property to change the border of an element to Yxy 47.6496, 0.3351, 0.2761 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(232, 162, 210) }
```

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

```
.border{ border-color:rgb(232, 162, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(232, 162, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(232, 162, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(232, 162, 210);  
box-shadow:4px 4px 4px 4px rgb(232, 162,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6496, 0.3351, 0.2761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(232, 162, 210) }
```

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

```
.background{ background-color: rgb(232,  
162, 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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