

Converting Colors

$Y_{xy}(35.7291, 0.3668, 0.2813)$

Have a look what the booklet for
Yxy(35.7291, 0.3668, 0.2813)
contains.

Yxy(35.7942, 0.3672, 0.2821)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(35.7942, 0.3672, 0.2821)

Conversions

Conversions Part 1

Format	Color
Hex	DF86AE
RGB	223, 134, 174
RGB Percent	87%, 53%, 68%
CMY	0.1256, 0.4744, 0.3176
CMYK	0.00, 0.40, 0.22, 0.13
HSL	333°, 58%, 70%
HSV	333°, 40%, 87%
XYZ	46.5921, 35.7942, 44.4985
YIQ	165.1710, 40.2040, 31.3080

Conversions

Conversions Part 2

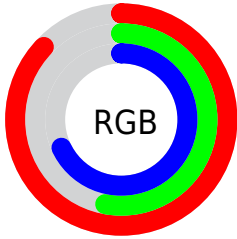
Format	Color
R _Y B	223, 134, 174
Decimal	14649006
CIE Lab	66.36, 39.23, -6.42
CIE LCh	66, 39.751, 350.712
Yxy	35.7942, 0.3672, 0.2821
Android (android.graphics.Color)	4292839086 (0xFFDF86AE)
YUV	165.1710, 4.3527, 50.7160
Hunter-Lab	59.8283, 34.3099, -2.2184

Details

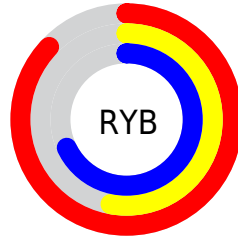
The Yxy color **35.7942, 0.3672, 0.2821** is a light color, and the websafe version is hex **FF99CC**. A complement of this color would be **61.2534, 0.2793, 0.3822**, and the grayscale version is **37.6790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3123, 0.3354, 0.2886**, and **15.5467, 0.3834, 0.2678** is the 20% darker color. If you saturate the color by 10%, you get **29.8102, 0.3879, 0.2709**, and if you desaturate by 10%, it is **43.1248, 0.3496, 0.2941**.

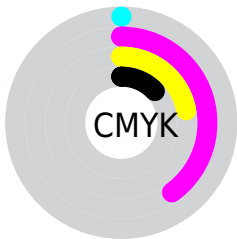
Distribution



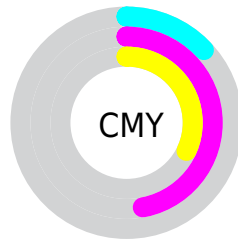
- Red (87%)
- Green (53%)
- Blue (68%)



- Red (87%)
- Yellow (53%)
- Blue (68%)



- Cyan (0%)
- Magenta (40%)
- Yellow (22%)
- Black (13%)





- Cyan (13%)
- Magenta (47%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.7942, 0.3672, 0.2821 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 35.7942, 0.3672, 0.2821 by changing the saturation by 10% instead.


 35.7942, 0.3672,
0.2821


 35.7942, 0.3672,
0.2821


328.0601, 0.3392,
0.3058

 24.2753, 0.3744,
0.2761


 68.7143, 0.3568,
0.2908

 15.5380, 0.3839,
0.2684


 90.8843, 0.3530,
0.2940

 9.1978, 0.3967,
0.2581


 117.3734, 0.3498,
0.2967

 4.8704, 0.4151,
0.2436

148.5661, 0.3470,
0.2991

 2.1714, 0.4434,
0.2218

184.8467, 0.3447,
0.3011

 0.7044, 0.4941,
0.1835

226.5997, 0.3426,

 0.0000, 0.9828,

0.3029

0.0000

274.2093, 0.3408,
0.3044

0.0000, 0.0000,
0.0000

35.7942, 0.3672,
0.2821

35.7942, 0.3672,
0.2821

29.8102, 0.3879,
0.2709

43.1248, 0.3496,
0.2941

25.0843, 0.4116,
0.2614

51.8731, 0.3349,
0.3062

21.5250, 0.4378,
0.2549


62.1115, 0.3227,
0.3180


19.0264, 0.4657,
0.2528


73.9056, 0.3126,
0.3291


17.4628, 0.4935,
0.2559

87.3174, 0.3043,
0.3395

 16.6167, 0.5199,
0.2638

 93.9610, 0.2974,
0.3364

 16.6093, 0.5201,
0.2639

 94.4249, 0.2934,
0.3289

Harmonies

Analogous

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



35.7942, 0.3052, 0.2502



35.7942, 0.3672, 0.2821



35.7942, 0.4164, 0.3249

Triad

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



35.7942, 0.3672, 0.2821



35.7942, 0.3693, 0.4386



35.7942, 0.2047, 0.2686

Complementary

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



35.7942, 0.3672, 0.2821



61.2534, 0.2793, 0.3822

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.



35.7942, 0.2181, 0.3198



35.7942, 0.3672, 0.2821



35.7942, 0.3107, 0.4291

Square

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



35.7942, 0.3672, 0.2821



35.7942, 0.4152, 0.4140



35.7942, 0.2556, 0.3822



35.7942, 0.2161, 0.2402

Rectangle

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



35.7942, 0.3672, 0.2821



35.7942, 0.4322, 0.3561



35.7942, 0.2556, 0.3822



35.7942, 0.2064, 0.2834

Sweetspot

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



35.7959, 0.3672, 0.2821



80.9686, 0.3252, 0.3155



32.4424, 0.2801, 0.2197



16.9272, 0.3267, 0.3139



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.



35.7959, 0.3672, 0.2821



41.5399, 0.3845, 0.2725



35.7174, 0.4111, 0.3346



13.8024, 0.3222, 0.3185



9.7900, 0.5165, 0.2619



0.6964, 0.4787, 0.2411

Inverse Universe

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



35.7959, 0.3672, 0.2821



41.5399, 0.3845, 0.2725



60.8158, 0.2570, 0.3232



13.8024, 0.3222, 0.3185



9.7900, 0.5165, 0.2619



0.6964, 0.4787, 0.2411

Previews

White Background



This preview shows how the Yxy color 35.7942, 0.3672, 0.2821 looks on a white background.

Color Contrast Check

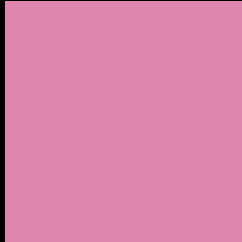
Large Text (above 18pt) WCAG AA × Fail

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 35.7942, 0.3672, 0.2821 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

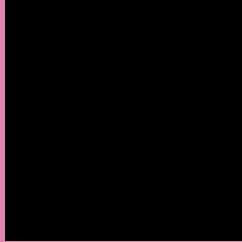
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.7942, 0.3672, 0.2821

Background



This preview shows how black text looks on a background with the Yxy color 35.7942, 0.3672, 0.2821.



This preview shows how white text looks on a background with the Yxy color 35.7942, 0.3672, 0.2821.

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

35.7942, 0.3672, 0.2821

Protanopia

35.9711, 0.2832, 0.2855

Deuteranopia

36.0149, 0.3174, 0.3109



Tritanopia

35.8508, 0.3907, 0.3171

Trichromacy



Original Color

35.7942, 0.3672, 0.2821

Protanomaly

35.3393, 0.3100, 0.2835

Deuteranomaly

35.6416, 0.3354, 0.3000

Tritanomaly

35.7321, 0.3823, 0.3040

Monochromacy



Original Color

35.7942, 0.3672, 0.2821

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

36.3775, 0.3315, 0.3102

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.7942, 0.3672, 0.2821 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(223, 134, 174)` looks like.

```
.text, #text, p{  
    color:rgb(223, 134, 174)  
}
```

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(223, 134, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 134, 174) }
```

Border

The CSS property to change the border of an element to Yxy 35.7942, 0.3672, 0.2821 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(223, 134, 174) }
```

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

```
.border{ border-color:rgb(223, 134, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 134, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 134, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 134, 174);  
box-shadow:4px 4px 4px 4px rgb(223, 134,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 35.7942, 0.3672, 0.2821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 134, 174) }
```

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

```
.background{ background-color: rgb(223,  
134, 174) }
```

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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