

Converting Colors

$Y_{xy}(30.0870, 0.3915, 0.2613)$

Have a look what the booklet for
Yxy(30.0870, 0.3915, 0.2613)
contains.

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Color

Yxy(30.0870, 0.3915, 0.2613)

Conversions

Conversions Part 1

Format	Color
Hex	E76AA7
RGB	231, 106, 167
RGB Percent	91%, 42%, 65%
CMY	0.0942, 0.5842, 0.3452
CMYK	0.00, 0.54, 0.28, 0.09
HSL	331°, 72%, 66%
HSV	331°, 54%, 91%
XYZ	45.0787, 30.0870, 39.9778
YIQ	150.3290, 54.9190, 45.4710

Conversions

Conversions Part 2

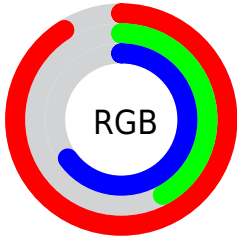
Format	Color
R _Y B	231, 106, 167
Decimal	15166119
CIE Lab	61.73, 54.89, -9.20
CIE LCh	62, 55.650, 350.487
Yxy	30.0870, 0.3915, 0.2613
Android (android.graphics.Color)	4293356199 (0xFFE76AA7)
YUV	150.3290, 8.2188, 70.7485
Hunter-Lab	54.8516, 50.7063, -4.8165

Details

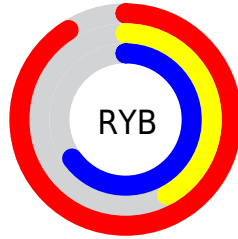
The Yxy color **30.0870, 0.3915, 0.2613** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **63.1132, 0.2732, 0.4127**, and the grayscale version is **30.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0237, 0.3448, 0.2671**, and **12.2897, 0.4166, 0.2409** is the 20% darker color. If you saturate the color by 10%, you get **25.5329, 0.4143, 0.2521**, and if you desaturate by 10%, it is **35.9661, 0.3713, 0.2729**.

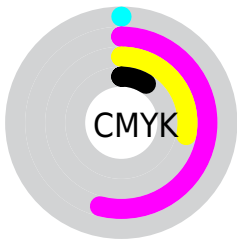
Distribution



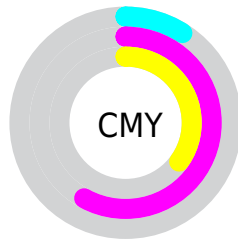
- Red (91%)
- Green (42%)
- Blue (65%)



- Red (91%)
- Yellow (42%)
- Blue (65%)



- Cyan (0%)
- Magenta (54%)
- Yellow (28%)
- Black (9%)




- Cyan (9%)
- Magenta (58%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.0870, 0.3915, 0.2613 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 30.0870, 0.3915, 0.2613 by changing the saturation by 10% instead.


 30.0870, 0.3915,
0.2613


 30.0870, 0.3915,
0.2613


302.3098, 0.3502,
0.2959


 19.9046, 0.4024,
0.2525


 59.7997, 0.3761,
0.2740

 12.3257, 0.4167,
0.2411


 80.0989, 0.3704,
0.2787

 6.9659, 0.4363,
0.2258


 104.5391, 0.3657,
0.2827

 3.4408, 0.4648,
0.2044

 133.5048, 0.3617,
0.2861

 1.3660, 0.5093,
0.1724

167.3803, 0.3582,
0.2891

 0.1914, 0.6227,
0.0693

206.5500, 0.3552,

 0.0000, 1.0000,

0.2916

0.0000

251.3984, 0.3526,
0.2939

0.0000, 0.0000,
0.0000

30.0870, 0.3915,
0.2613

30.0870, 0.3915,
0.2613

25.5329, 0.4143,
0.2521

35.9661, 0.3713,
0.2729

22.1927, 0.4391,
0.2465

43.2604, 0.3538,
0.2856

19.9445, 0.4648,
0.2457

52.0575, 0.3390,
0.2988

18.6382, 0.4899,
0.2504

62.4365, 0.3266,
0.3117

18.1713, 0.5042,
0.2551

74.4709, 0.3164,
0.3241

■ 88.2297, 0.3079,
0.3358

■ 95.3961, 0.3010,
0.3341

■ 95.7266, 0.2981,
0.3290

Harmonies

Analogous

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



30.0870, 0.2990, 0.2191



30.0870, 0.3915, 0.2613



30.0870, 0.4662, 0.3178

Triad

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



30.0870, 0.3915, 0.2613



30.0870, 0.3888, 0.4896



30.0870, 0.1624, 0.2389

Complementary

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



30.0870, 0.3915, 0.2613



63.1132, 0.2732, 0.4127

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.



30.0870, 0.1784, 0.3117



30.0870, 0.3915, 0.2613



30.0870, 0.3052, 0.4846

Square

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



30.0870, 0.3915, 0.2613



30.0870, 0.4572, 0.4434



30.0870, 0.2282, 0.4106



30.0870, 0.1776, 0.2031

Rectangle

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



30.0870, 0.3915, 0.2613



30.0870, 0.4881, 0.3594



30.0870, 0.2282, 0.4106



30.0870, 0.1641, 0.2589

Sweetspot

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



30.0885, 0.3915, 0.2613



75.4007, 0.3289, 0.3092



24.4619, 0.2583, 0.1763



15.5457, 0.3314, 0.3065



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.



30.0885, 0.3915, 0.2613



31.3523, 0.4173, 0.2512



28.3405, 0.4733, 0.3295



14.4846, 0.3216, 0.3176



10.2134, 0.5006, 0.2531



0.7735, 0.4674, 0.2348

Inverse Universe

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



30.0885, 0.3915, 0.2613



31.3523, 0.4173, 0.2512



65.9783, 0.2439, 0.3288



14.4846, 0.3216, 0.3176



10.2134, 0.5006, 0.2531



0.7735, 0.4674, 0.2348

Previews

White Background



This preview shows how the Yxy color 30.0870, 0.3915, 0.2613 looks on a white background.

Color Contrast Check

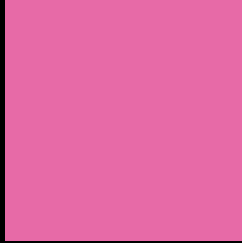
Large Text (above 18pt) WCAG AA × Fail

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 30.0870, 0.3915, 0.2613 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

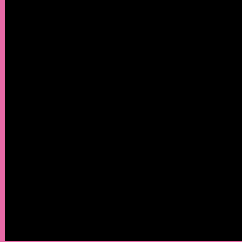
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.0870, 0.3915, 0.2613

Background



This preview shows how black text looks on a background with the Yxy color 30.0870, 0.3915, 0.2613.



This preview shows how white text looks on a background with the Yxy color 30.0870, 0.3915, 0.2613.

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

30.0870, 0.3915, 0.2613

Protanopia

30.4383, 0.2627, 0.2600

Deuteranopia

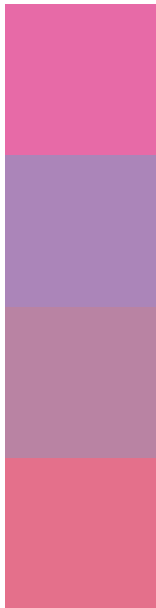
30.1949, 0.3118, 0.3051



Tritanopia

30.0224, 0.4414, 0.3202

Trichromacy



Original Color

30.0870, 0.3915, 0.2613

Protanomaly

28.9358, 0.3015, 0.2570

Deuteranomaly

29.1912, 0.3393, 0.2851

Tritanomaly

29.9464, 0.4230, 0.2984

Monochromacy



Original Color

30.0870, 0.3915, 0.2613

Achromatopsia

30.4987, 0.3127, 0.3290

Achromatomaly

29.0342, 0.3398, 0.2979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.0870, 0.3915, 0.2613 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(231, 106, 167)` looks like.

```
.text, #text, p{  
    color:rgb(231, 106, 167)  
}
```

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(231, 106, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 106, 167) }
```

Border

The CSS property to change the border of an element to Yxy 30.0870, 0.3915, 0.2613 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(231, 106, 167) }
```

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

```
.border{ border-color:rgb(231, 106, 167) }
```

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

Here you see how a box with a 4 pixel rgb(231, 106, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 106, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 106, 167);  
box-shadow:4px 4px 4px 4px rgb(231, 106,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 30.0870, 0.3915, 0.2613 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 106, 167) }
```

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

```
.background{ background-color: rgb(231,  
106, 167) }
```

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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