

Converting Colors

$Y_{xy}(30.8338, 0.4080, 0.2771)$

Have a look what the booklet for
Yxy(30.8338, 0.4080, 0.2771)
contains.

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Color

Yxy(30.8300, 0.4081, 0.2771)

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | EA6D9C |
| RGB | 234, 109, 156 |
| RGB Percent | 92%, 43%, 61% |
| CMY | 0.0823, 0.5726, 0.3881 |
| CMYK | 0.00, 0.53, 0.33, 0.08 |
| HSL | 337°, 75%, 67% |
| HSV | 337°, 53%, 92% |
| XYZ | 45.4050, 30.8300, 35.0245 |
| YIQ | 151.7330, 59.4130, 41.1170 |

Conversions

Conversions Part 2

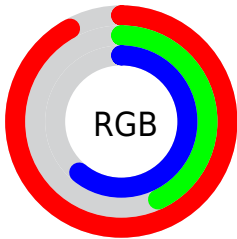
| Format | Color |
|-------------------------------------|------------------------------|
| R_{YB} | 234, 109, 156 |
| Decimal | 15363484 |
| CIE _{Lab} | 62.36, 53.09, -1.93 |
| CIE _{LCh} | 62, 53.123, 357.923 |
| Yxy | 30.8300, 0.4081, 0.2771 |
| Android (android.graphics.Color) | 4293553564 (0xFFEA6D9C) |
| YUV | 151.7330, 2.1036, 72.1482 |
| Hunter-Lab | 55.5248, 48.7988, 1.4678 |

Details

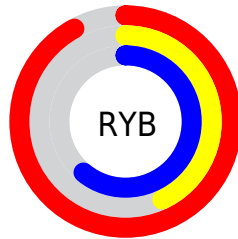
The Yxy color **30.8300, 0.4081, 0.2771** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **65.6873, 0.2665, 0.3917**, and the grayscale version is **31.2509, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4641, 0.3552, 0.2817**, and **12.7722, 0.4396, 0.2606** is the 20% darker color. If you saturate the color by 10%, you get **26.0210, 0.4370, 0.2703**, and if you desaturate by 10%, it is **37.0302, 0.3828, 0.2860**.

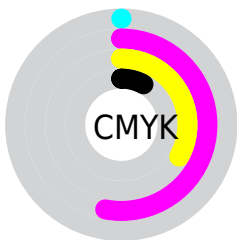
Distribution



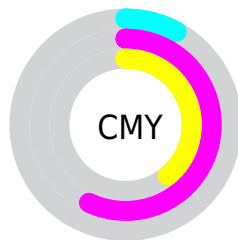
- Red (92%)
- Green (43%)
- Blue (61%)



- Red (92%)
- Yellow (43%)
- Blue (61%)



- Cyan (0%)
- Magenta (53%)
- Yellow (33%)
- Black (8%)




- Cyan (8%)
- Magenta (57%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8300, 0.4081, 0.2771 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 30.8300, 0.4081, 0.2771 by changing the saturation by 10% instead.

 30.8300, 0.4081,
0.2771


 30.8300, 0.4081,
0.2771

305.7544, 0.3576,
0.3044


 20.4694, 0.4216,
0.2699


 60.9723, 0.3891,
0.2873

 12.7367, 0.4395,
0.2604


 81.5229, 0.3821,
0.2911

 7.2475, 0.4643,
0.2473


 106.2389, 0.3763,
0.2942

 3.6174, 0.5005,
0.2284

 135.5047, 0.3714,
0.2969

 1.4619, 0.5578,
0.1989

169.7048, 0.3672,
0.2991

 0.2617, 0.7208,
0.1073

209.2235, 0.3636,

 0.0000, 1.0000,

0.3011

0.0000

254.4452, 0.3604,
0.3029

0.0000, 0.0000,
0.0000

30.8300, 0.4081,
0.2771

30.8300, 0.4081,
0.2771

26.0210, 0.4370,
0.2703

37.0302, 0.3828,
0.2860

22.4883, 0.4686,
0.2669

44.7151, 0.3612,
0.2960

20.1065, 0.5012,
0.2681

53.9753, 0.3433,
0.3063

18.7217, 0.5323,
0.2746

64.8929, 0.3285,
0.3163

18.1990, 0.5511,
0.2810

77.5442, 0.3163,
0.3259

■ 92.0009, 0.3064,
0.3348

■ 96.2336, 0.2999,
0.3290

Harmonies

Analogous

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



30.8300, 0.3212, 0.2322



30.8300, 0.4081, 0.2771



30.8300, 0.4688, 0.3338

Triad

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



30.8300, 0.4081, 0.2771



30.8300, 0.3671, 0.4859



30.8300, 0.1697, 0.2319

Complementary

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



30.8300, 0.4081, 0.2771



65.6873, 0.2665, 0.3917

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.



30.8300, 0.1777, 0.2929



30.8300, 0.4081, 0.2771



30.8300, 0.2868, 0.4634

Square

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



30.8300, 0.4081, 0.2771



30.8300, 0.4374, 0.4524



30.8300, 0.2179, 0.3828



30.8300, 0.1916, 0.2050

Rectangle

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



30.8300, 0.4081, 0.2771



30.8300, 0.4807, 0.3745



30.8300, 0.2179, 0.3828



30.8300, 0.1689, 0.2483

Sweetspot

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



30.8316, 0.4081, 0.2771



75.1424, 0.3321, 0.3137



27.3274, 0.2726, 0.1835



15.4844, 0.3351, 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.



30.8316, 0.4081, 0.2771



31.1864, 0.4397, 0.2698



32.9082, 0.4603, 0.3454



15.1478, 0.3234, 0.3202



10.2486, 0.5470, 0.2787



0.8229, 0.5094, 0.2580

Inverse Universe

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



30.8316, 0.4081, 0.2771



31.1864, 0.4397, 0.2698



60.0758, 0.2406, 0.3102



15.1478, 0.3234, 0.3202



10.2486, 0.5470, 0.2787



0.8229, 0.5094, 0.2580

Previews

White Background



This preview shows how the Yxy color 30.8300, 0.4081, 0.2771 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 30.8300, 0.4081, 0.2771 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 30.8300, 0.4081, 0.2771

Background



This preview shows how black text looks on a background with the Yxy color 30.8300, 0.4081, 0.2771.



This preview shows how white text looks on a background with the Yxy color 30.8300, 0.4081, 0.2771.

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

30.8300, 0.4081, 0.2771

Protanopia

31.2098, 0.2798, 0.2815

Deuteranopia

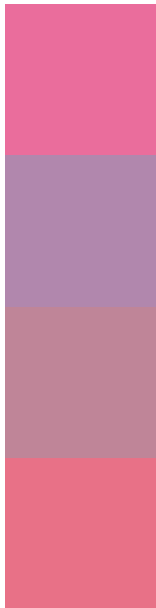
30.8668, 0.3298, 0.3231



Tritanopia

30.6805, 0.4455, 0.3204

Trichromacy



Original Color

30.8300, 0.4081, 0.2771

Protanomaly

29.6922, 0.3195, 0.2762

Deuteranomaly

30.1184, 0.3579, 0.3033

Tritanomaly

30.7153, 0.4320, 0.3046

Monochromacy



Original Color

30.8300, 0.4081, 0.2771

Achromatopsia

31.3989, 0.3127, 0.3290

Achromatomaly

29.8533, 0.3460, 0.3052

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8300, 0.4081, 0.2771 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, 109, 156)` looks like.

```
.text, #text, p{  
    color:rgb(234, 109, 156)  
}
```

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, 109, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 109, 156) }
```

Border

The CSS property to change the border of an element to Yxy 30.8300, 0.4081, 0.2771 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, 109, 156) }
```

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

```
.border{ border-color:rgb(234, 109, 156) }
```

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

Here you see how a box with a 4 pixel rgb(234, 109, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 109, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 109, 156);  
box-shadow:4px 4px 4px 4px rgb(234, 109,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8300, 0.4081, 0.2771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 109, 156) }
```

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

```
.background{ background-color: rgb(234,  
109, 156) }
```

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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