

Converting Colors

$Y_{xy}(28.7066, 0.4178, 0.2829)$

Have a look what the booklet for
Yxy(28.7066, 0.4178, 0.2829)
contains.

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Color

Yxy(28.8365, 0.4176, 0.2830)

Conversions

Conversions Part 1

Format	Color
Hex	E56992
RGB	229, 105, 146
RGB Percent	90%, 41%, 57%
CMY	0.1020, 0.5882, 0.4275
CMYK	0.00, 0.54, 0.36, 0.10
HSL	340°, 70%, 65%
HSV	340°, 54%, 90%
XYZ	42.5517, 28.8365, 30.5076
YIQ	146.7500, 60.7430, 39.0390

Conversions

Conversions Part 2

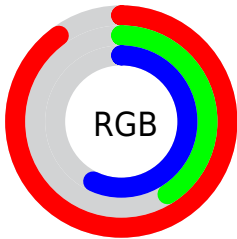
Format	Color
R_{YB}	229, 105, 146
Decimal	15034770
CIE _{Lab}	60.64, 52.17, 1.26
CIE _{LCh}	61, 52.181, 1.385
Yxy	28.8365, 0.4176, 0.2830
Android (android.graphics.Color)	4293224850 (0xFFE56992)
YUV	146.7500, -0.3698, 72.1333
Hunter-Lab	53.6996, 47.4693, 3.9062

Details

The Yxy color **28.8365, 0.4176, 0.2830** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **62.6753, 0.2633, 0.3844**, and the grayscale version is **29.0527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.5717, 0.3653, 0.2876**, and **11.6718, 0.4530, 0.2666** is the 20% darker color. If you saturate the color by 10%, you get **24.3384, 0.4493, 0.2775**, and if you desaturate by 10%, it is **34.6573, 0.3898, 0.2907**.

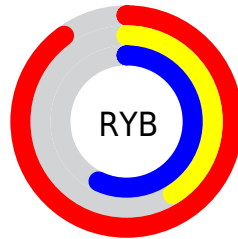
Distribution



Red (90%)

Green (41%)

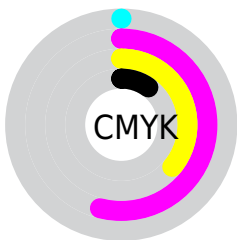
Blue (57%)



Red (90%)

Yellow (41%)

Blue (57%)

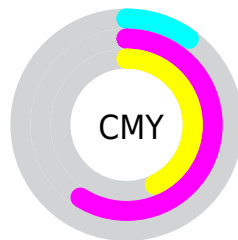


Cyan (0%)

Magenta (54%)

Yellow (36%)

Black (10%)



Cyan (10%)


Magenta (59%)

Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8365, 0.4176, 0.2830 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 28.8365, 0.4176, 0.2830 by changing the saturation by 10% instead.


 28.8365, 0.4176,
0.2830


 28.8365, 0.4176,
0.2830


296.4427, 0.3612,
0.3079


 18.9572, 0.4330,
0.2761


 57.8172, 0.3961,
0.2925


 11.6393, 0.4536,
0.2669


 77.6874, 0.3884,
0.2960

 6.4986, 0.4823,
0.2540

 101.6566, 0.3819,
0.2988

 3.1506, 0.5250,
0.2346

 130.1093, 0.3765,
0.3012

 1.2108, 0.5936,
0.2030

163.4299, 0.3718,
0.3033

 0.0705, 0.9535,
0.0465

202.0027, 0.3678,


 0.0000, 1.0000,

0.3050

0.0000

246.2122, 0.3643,
0.3066


 0.0000, 0.0000,
0.0000

 28.8365, 0.4176,
0.2830


 28.8365, 0.4176,
0.2830


 24.3384, 0.4493,
0.2775


 34.6573, 0.3898,
0.2907


 21.0526, 0.4838,
0.2753


 41.8906, 0.3662,
0.2994

 18.8584, 0.5189,
0.2776


 50.6233, 0.3467,
0.3084

 17.6068, 0.5514,
0.2848


 60.9343, 0.3306,
0.3172

 17.1753, 0.5686,
0.2906

 72.8967, 0.3174,
0.3257

 86.5791, 0.3067,
0.3335

 95.2900, 0.2979,
0.3306

 95.3981, 0.2970,
0.3290

Harmonies

Analogous

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



28.8365, 0.3314, 0.2362



28.8365, 0.4176, 0.2830



28.8365, 0.4733, 0.3407

Triad

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



28.8365, 0.4176, 0.2830



28.8365, 0.3581, 0.4874



28.8365, 0.1702, 0.2268

Complementary

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



28.8365, 0.4176, 0.2830



62.6753, 0.2633, 0.3844

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.



28.8365, 0.1747, 0.2838



28.8365, 0.4176, 0.2830



28.8365, 0.2776, 0.4571

Square

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



28.8365, 0.4176, 0.2830



28.8365, 0.4308, 0.4585



28.8365, 0.2112, 0.3720



28.8365, 0.1956, 0.2034

Rectangle

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



28.8365, 0.4176, 0.2830



28.8365, 0.4810, 0.3817



28.8365, 0.2112, 0.3720



28.8365, 0.1683, 0.2418

Sweetspot

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



28.8380, 0.4176, 0.2830



75.0381, 0.3335, 0.3155



26.4120, 0.2779, 0.1842



15.4597, 0.3366, 0.3137



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.



28.8380, 0.4176, 0.2830



30.4605, 0.4535, 0.2770



32.5171, 0.4585, 0.3526



14.4461, 0.3241, 0.3213



9.8398, 0.5646, 0.2884



0.7438, 0.5234, 0.2657

Inverse Universe

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



28.8380, 0.4176, 0.2830



30.4605, 0.4535, 0.2770



53.9367, 0.2382, 0.3016



14.4461, 0.3241, 0.3213



9.8398, 0.5646, 0.2884



0.7438, 0.5234, 0.2657

Previews

White Background



This preview shows how the Yxy color 28.8365, 0.4176, 0.2830 looks on a white background.

Color Contrast Check

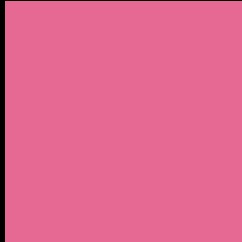
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.8365, 0.4176, 0.2830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

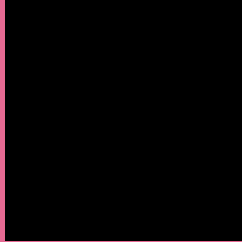
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8365, 0.4176, 0.2830

Background



This preview shows how black text looks on a background with the Yxy color 28.8365, 0.4176, 0.2830.



This preview shows how white text looks on a background with the Yxy color 28.8365, 0.4176, 0.2830.

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

28.8365, 0.4176, 0.2830

Protanopia

29.2108, 0.2867, 0.2919

Deuteranopia

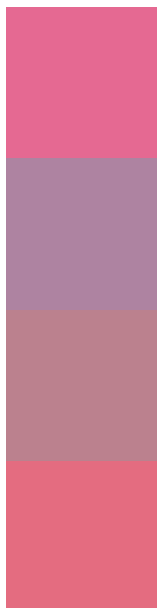
29.0260, 0.3377, 0.3321



Tritanopia

28.7908, 0.4509, 0.3203

Trichromacy



Original Color

28.8365, 0.4176, 0.2830

Protanomaly

27.8045, 0.3292, 0.2860

Deuteranomaly

28.2183, 0.3662, 0.3110

Tritanomaly

28.7776, 0.4396, 0.3067

Monochromacy



Original Color

28.8365, 0.4176, 0.2830

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

27.9562, 0.3480, 0.3074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8365, 0.4176, 0.2830 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(229, 105, 146)` looks like.

```
.text, #text, p{  
    color:rgb(229, 105, 146)  
}
```

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(229, 105, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 105, 146) }
```

Border

The CSS property to change the border of an element to Yxy 28.8365, 0.4176, 0.2830 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(229, 105, 146) }
```

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

```
.border{ border-color:rgb(229, 105, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(229, 105, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 105, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 105, 146);  
box-shadow:4px 4px 4px 4px rgb(229, 105,  
146) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8365, 0.4176, 0.2830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 105, 146) }
```

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

```
.background{ background-color: rgb(229,  
105, 146) }
```

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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