

Converting Colors

$Y_{xy}(29.7390, 0.4202, 0.2819)$

Have a look what the booklet for
Yxy(29.7390, 0.4202, 0.2819)
contains.

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Color

Yxy(29.7337, 0.4202, 0.2819)

Conversions

Conversions Part 1

Format	Color
Hex	EA6994
RGB	234, 105, 148
RGB Percent	92%, 41%, 58%
CMY	0.0825, 0.5881, 0.4196
CMYK	0.00, 0.55, 0.37, 0.08
HSL	340°, 75%, 66%
HSV	340°, 55%, 92%
XYZ	44.3210, 29.7337, 31.4213
YIQ	148.4730, 63.0810, 40.7210

Conversions

Conversions Part 2

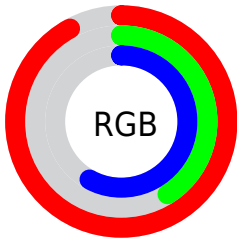
Format	Color
RYB	234, 105, 148
Decimal	15362452
CIELab	61.42, 54.00, 1.32
CIELCh	61, 54.021, 1.404
Yxy	29.7337, 0.4202, 0.2819
Android (android.graphics.Color)	4293552532 (0xFFEA6994)
YUV	148.4730, -0.2332, 75.0072
Hunter-Lab	54.5286, 49.6603, 4.0050

Details

The Yxy color **29.7337, 0.4202, 0.2819** is a light color, and the websafe version is hex **FF6699**. A complement of this color would be **65.5944, 0.2629, 0.3862**, and the grayscale version is **29.8074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **50.6659, 0.3634, 0.2856**, and **12.0771, 0.4550, 0.2647** is the 20% darker color. If you saturate the color by 10%, you get **25.1440, 0.4521, 0.2766**, and if you desaturate by 10%, it is **35.7039, 0.3921, 0.2895**.

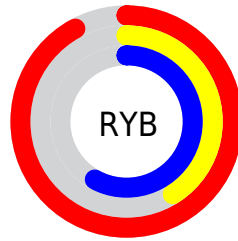
Distribution



Red (92%)

Green (41%)

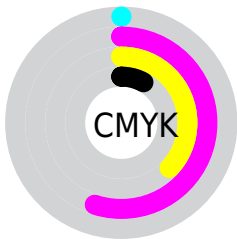
Blue (58%)



Red (92%)

Yellow (41%)

Blue (58%)

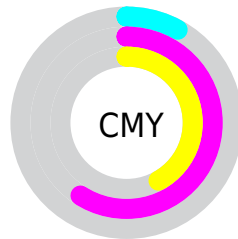


Cyan (0%)

Magenta (55%)

Yellow (37%)

Black (8%)



Cyan (8%)

Magenta (59%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7337, 0.4202, 0.2819 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 29.7337, 0.4202, 0.2819 by changing the saturation by 10% instead.


 29.7337, 0.4202,
0.2819


 29.7337, 0.4202,
0.2819


300.6612, 0.3627,
0.3073

 19.6365, 0.4358,
0.2750


 59.2408, 0.3984,
0.2916

 12.1311, 0.4565,
0.2657


 79.4195, 0.3905,
0.2951

 6.8330, 0.4853,
0.2527


 103.7275, 0.3839,
0.2980

 3.3579, 0.5277,
0.2335

 132.5493, 0.3783,
0.3004

 1.3213, 0.5951,
0.2025

166.2691, 0.3736,
0.3025

 0.1576, 0.8736,
0.0842

205.2715, 0.3695,

 0.0000, 1.0000,

0.3043

0.0000


249.9407, 0.3659,
0.3059

 0.0000, 0.0000,
0.0000


 29.7337, 0.4202,
0.2819


 29.7337, 0.4202,
0.2819


 25.1440, 0.4521,
0.2766


 35.7039, 0.3921,
0.2895

 21.8172, 0.4867,
0.2748

 43.1503, 0.3682,
0.2982


 19.6235, 0.5215,
0.2775

 52.1654, 0.3483,
0.3073


 18.4023, 0.5536,
0.2853

 62.8327, 0.3319,
0.3163

 18.0368, 0.5679,
0.2902

 75.2299, 0.3186,
0.3248

 89.4297, 0.3077,
0.3328

 96.2271, 0.2999,
0.3290

Harmonies

Analogous

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



29.7337, 0.3318, 0.2343



29.7337, 0.4202, 0.2819



29.7337, 0.4772, 0.3406

Triad

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



29.7337, 0.4202, 0.2819



29.7337, 0.3585, 0.4914



29.7337, 0.1674, 0.2244

Complementary

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



29.7337, 0.4202, 0.2819



65.5944, 0.2629, 0.3862

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.



29.7337, 0.1718, 0.2824



29.7337, 0.4202, 0.2819



29.7337, 0.2764, 0.4607

Square

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



29.7337, 0.4202, 0.2819



29.7337, 0.4330, 0.4610



29.7337, 0.2087, 0.3730



29.7337, 0.1932, 0.2008

Rectangle

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



29.7337, 0.4202, 0.2819



29.7337, 0.4848, 0.3822



29.7337, 0.2087, 0.3730



29.7337, 0.1655, 0.2396

Sweetspot

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



29.7352, 0.4202, 0.2819



73.6685, 0.3349, 0.3145



27.1237, 0.2770, 0.1816



15.1899, 0.3381, 0.3127



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.



29.7352, 0.4202, 0.2819



30.0047, 0.4562, 0.2762



33.5634, 0.4627, 0.3529



15.1369, 0.3241, 0.3212



10.1596, 0.5637, 0.2879



0.8150, 0.5248, 0.2665

Inverse Universe

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



29.7352, 0.4202, 0.2819



30.0047, 0.4562, 0.2762



56.2709, 0.2372, 0.3010



15.1369, 0.3241, 0.3212



10.1596, 0.5637, 0.2879



0.8150, 0.5248, 0.2665

Previews

White Background



This preview shows how the Yxy color 29.7337, 0.4202, 0.2819 looks on a white background.

Color Contrast Check

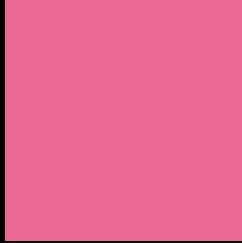
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.7337, 0.4202, 0.2819 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

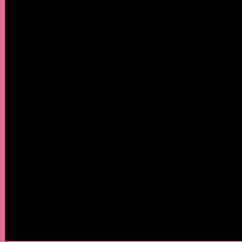
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7337, 0.4202, 0.2819

Background



This preview shows how black text looks on a background with the Yxy color 29.7337, 0.4202, 0.2819.



This preview shows how white text looks on a background with the Yxy color 29.7337, 0.4202, 0.2819.

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

29.7337, 0.4202, 0.2819

Protanopia

30.1651, 0.2853, 0.2895

Deuteranopia

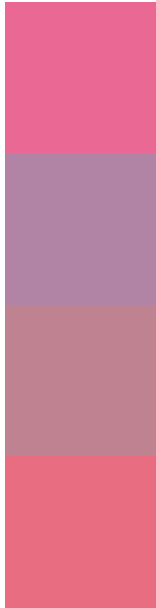
30.0065, 0.3384, 0.3321



Tritanopia

29.8327, 0.4554, 0.3217

Trichromacy



Original Color

29.7337, 0.4202, 0.2819

Protanomaly

28.5663, 0.3281, 0.2825

Deuteranomaly

29.0552, 0.3681, 0.3100

Tritanomaly

29.8459, 0.4430, 0.3072

Monochromacy



Original Color

29.7337, 0.4202, 0.2819

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.2244, 0.3492, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7337, 0.4202, 0.2819 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, 105, 148)` looks like.

```
.text, #text, p{  
    color:rgb(234, 105, 148)  
}
```

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, 105, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 105, 148) }
```

Border

The CSS property to change the border of an element to Yxy 29.7337, 0.4202, 0.2819 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, 105, 148) }
```

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

```
.border{ border-color:rgb(234, 105, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(234, 105, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 105, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 105, 148);  
box-shadow:4px 4px 4px 4px rgb(234, 105,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7337, 0.4202, 0.2819 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 105, 148) }
```

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

```
.background{ background-color: rgb(234,  
105, 148) }
```

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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