

Converting Colors

$Y_{xy}(29.6972, 0.3611, 0.2330)$

Have a look what the booklet for
Yxy(29.6972, 0.3611, 0.2330)
contains.

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Color

Yxy(29.6708, 0.3615, 0.2335)

Conversions

Conversions Part 1

Format	Color
Hex	E466BD
RGB	228, 102, 189
RGB Percent	89%, 40%, 74%
CMY	0.1058, 0.6000, 0.2587
CMYK	0.00, 0.55, 0.17, 0.11
HSL	319°, 70%, 65%
HSV	319°, 55%, 89%
XYZ	45.9357, 29.6708, 51.4633
YIQ	149.5920, 47.1690, 53.7690

Conversions

Conversions Part 2

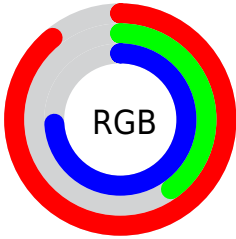
Format	Color
R _Y B	228, 102, 189
Decimal	14968509
CIE Lab	61.37, 58.89, -22.40
CIE LCh	61, 63.008, 339.179
Yxy	29.6708, 0.3615, 0.2335
Android (android.graphics.Color)	4293158589 (0xFFE466BD)
YUV	149.5920, 19.4281, 68.7638
Hunter-Lab	54.4709, 55.2063, -17.8866

Details

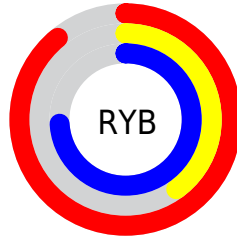
The Yxy color **29.6708, 0.3615, 0.2335** is a light color, and the websafe version is hex **FF66CC**. A complement of this color would be **60.2391, 0.2858, 0.4526**, and the grayscale version is **30.2191, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.3063, 0.3253, 0.2432**, and **12.0967, 0.3764, 0.2084** is the 20% darker color. If you saturate the color by 10%, you get **25.4915, 0.3741, 0.2205**, and if you desaturate by 10%, it is **35.0999, 0.3499, 0.2492**.

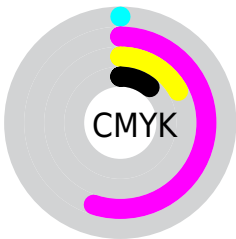
Distribution



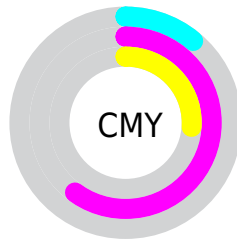
- Red (89%)
- Green (40%)
- Blue (74%)



- Red (89%)
- Yellow (40%)
- Blue (74%)



- Cyan (0%)
- Magenta (55%)
- Yellow (17%)
- Black (11%)





- Cyan (11%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.6708, 0.3615, 0.2335 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 29.6708, 0.3615, 0.2335 by changing the saturation by 10% instead.

 29.6708, 0.3615,
0.2335


 29.6708, 0.3615,
0.2335


300.3670, 0.3374,
0.2805


 19.5889, 0.3674,
0.2221


 59.1412, 0.3528,
0.2503


 12.0965, 0.3749,
0.2078


 79.2984, 0.3495,
0.2567

 6.8095, 0.3846,
0.1892


 103.5828, 0.3467,
0.2622

 3.3432, 0.3978,
0.1643

 132.3789, 0.3443,
0.2669

 1.3134, 0.4163,
0.1300

166.0709, 0.3422,
0.2709

 0.1516, 0.4638,
0.0386


205.0433, 0.3404,


 0.0000, 0.5019,


0.2745


0.0000


249.6805, 0.3388,
0.2777

 0.0000, 0.0000,
0.0000

 29.6708, 0.3615,
0.2335


 29.6708, 0.3615,
0.2335


 25.4915, 0.3741,
0.2205


 35.0999, 0.3499,
0.2492


 22.4539, 0.3872,
0.2112


 41.8668, 0.3395,
0.2666


 20.4384, 0.4006,
0.2067


 50.0564, 0.3304,
0.2846


 19.2966, 0.4136,
0.2072


 59.7452, 0.3225,
0.3027

 18.9460, 0.4197,
0.2086

 71.0044, 0.3158,
0.3201

 83.9005, 0.3102,
0.3367

 94.2123, 0.3056,
0.3458

 94.6360, 0.3016,
0.3386

 95.0762, 0.2977,
0.3314

Harmonies

Analogous

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



29.6708, 0.2609, 0.1957



29.6708, 0.3615, 0.2335



29.6708, 0.4604, 0.2900

Triad

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



29.6708, 0.3615, 0.2335



29.6708, 0.4266, 0.4920



29.6708, 0.1487, 0.2516

Complementary

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



29.6708, 0.3615, 0.2335



60.2391, 0.2858, 0.4526

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.



29.6708, 0.1786, 0.3490



29.6708, 0.3615, 0.2335



29.6708, 0.3370, 0.5191

Square

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



29.6708, 0.3615, 0.2335



29.6708, 0.4926, 0.4265



29.6708, 0.2459, 0.4634



29.6708, 0.1533, 0.1987

Rectangle

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



29.6708, 0.3615, 0.2335



29.6708, 0.5010, 0.3334



29.6708, 0.2459, 0.4634



29.6708, 0.1545, 0.2793

Sweetspot

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



29.6722, 0.3615, 0.2335



74.5583, 0.3239, 0.2994



20.6614, 0.2344, 0.1639



15.3999, 0.3254, 0.2958



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.



29.6722, 0.3615, 0.2335



32.3365, 0.3755, 0.2192



27.5345, 0.4439, 0.3011



14.5353, 0.3185, 0.3129



10.9612, 0.4179, 0.2076



0.8265, 0.4002, 0.1979

Inverse Universe

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



29.6722, 0.3615, 0.2335



32.3365, 0.3755, 0.2192



62.6192, 0.2546, 0.3625



14.5353, 0.3185, 0.3129



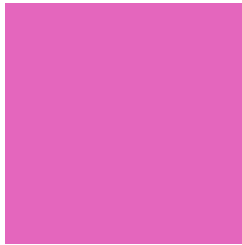
10.9612, 0.4179, 0.2076



0.8265, 0.4002, 0.1979

Previews

White Background



This preview shows how the Yxy color 29.6708, 0.3615, 0.2335 looks on a white background.

Color Contrast Check

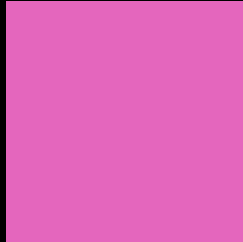
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.6708, 0.3615, 0.2335 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

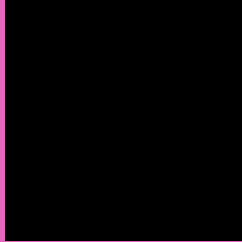
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.6708, 0.3615, 0.2335

Background



This preview shows how black text looks on a background with the Yxy color 29.6708, 0.3615, 0.2335.

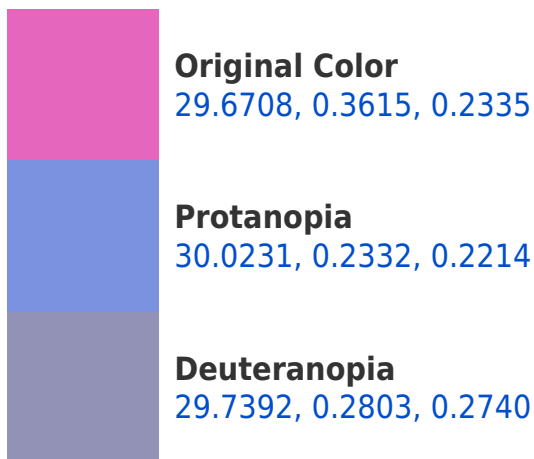


This preview shows how white text looks on a background with the Yxy color 29.6708, 0.3615, 0.2335.

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





Tritanopia

29.7328, 0.4324, 0.3199

Trichromacy



Original Color

29.6708, 0.3615, 0.2335



Protanomaly

28.2455, 0.2692, 0.2208



Deuteranomaly

28.4334, 0.3067, 0.2527



Tritanomaly

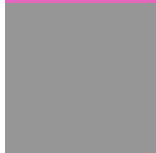
29.5738, 0.4067, 0.2872

Monochromacy



Original Color

29.6708, 0.3615, 0.2335



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

28.9204, 0.3302, 0.2855

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.6708, 0.3615, 0.2335 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(228, 102, 189)` looks like.

```
.text, #text, p{  
    color:rgb(228, 102, 189)  
}
```

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(228, 102, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 102, 189) }
```

Border

The CSS property to change the border of an element to Yxy 29.6708, 0.3615, 0.2335 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(228, 102, 189) }
```

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

```
.border{ border-color:rgb(228, 102, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 102, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 102, 189); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 102, 189); box-shadow:4px 4px 4px 4px rgb(228, 102, 189) }
```


Background

The CSS property to change the background color of an element to Yxy 29.6708, 0.3615, 0.2335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 102, 189) }
```

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

```
.background{ background-color: rgb(228,  
102, 189) }
```

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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