

Converting Colors

$Y_{xy}(29.3687, 0.3264, 0.1961)$

Have a look what the booklet for
Yxy(29.3687, 0.3264, 0.1961)
contains.

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Color

Yxy(29.3687, 0.3264, 0.1961)

Conversions

Conversions Part 1

Format	Color
Hex	E45CDD
RGB	228, 92, 221
RGB Percent	89%, 36%, 87%
CMY	0.1057, 0.6393, 0.1333
CMYK	0.00, 0.60, 0.03, 0.11
HSL	303°, 72%, 63%
HSV	303°, 60%, 89%
XYZ	48.8829, 29.3687, 71.5123
YIQ	147.3700, 39.6470, 68.9510

Conversions

Conversions Part 2

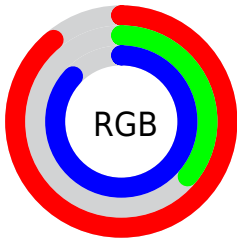
Format	Color
R _{YB}	228, 92, 221
Decimal	14965981
CIE Lab	61.11, 68.25, -40.91
CIE LCh	61, 79.568, 329.061
Yxy	29.3687, 0.3264, 0.1961
Android (android.graphics.Color)	4293156061 (0xFFE45CDD)
YUV	147.3700, 36.2996, 70.7125
Hunter-Lab	54.1929, 66.1725, -40.3033

Details

The Yxy color **29.3687, 0.3264, 0.1961** is a light color, and the websafe version is hex **FF66FF**. The color can be described as light muted magenta. A complement of this color would be **58.6798, 0.3008, 0.5129**, and the grayscale version is **29.1702, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.9749, 0.3175, 0.2266**, and **11.8904, 0.3264, 0.1650** is the 20% darker color. If you saturate the color by 10%, you get **25.9353, 0.3287, 0.1812**, and if you desaturate by 10%, it is **33.9937, 0.3240, 0.2146**.

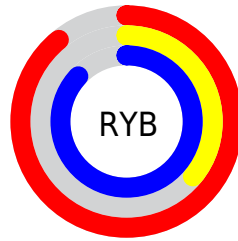
Distribution



Red (89%)

Green (36%)

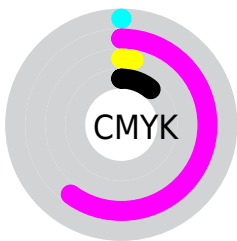
Blue (87%)



Red (89%)

Yellow (36%)

Blue (87%)

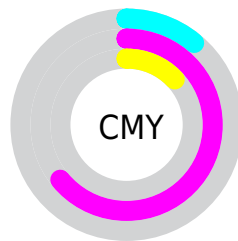


Cyan (0%)

Magenta (60%)

Yellow (3%)

Black (11%)



Cyan (11%)


Magenta (64%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.3687, 0.3264, 0.1961 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 29.3687, 0.3264, 0.1961 by changing the saturation by 10% instead.


 29.3687, 0.3264,
0.1961


 29.3687, 0.3264,
0.1961


298.9506, 0.3223,
0.2585


 19.3599, 0.3266,
0.1820


 58.6624, 0.3256,
0.2177

 11.9306, 0.3264,
0.1648


 78.7160, 0.3251,
0.2261

 6.6965, 0.3253,
0.1435


 102.8868, 0.3246,
0.2334

 3.2730, 0.3225,
0.1169

 131.5590, 0.3241,
0.2397

 1.2759, 0.3159,
0.0836

165.1171, 0.3236,
0.2453

 0.1224, 0.3088,
0.0174

203.9455, 0.3232,

 0.0000, 0.2631,

0.2502

0.0000

248.4285, 0.3227,
0.2546

0.0000, 0.0000,
0.0000

29.3687, 0.3264,
0.1961

29.3687, 0.3264,
0.1961

25.9353, 0.3287,
0.1812

33.9937, 0.3240,
0.2146

23.5790, 0.3309,
0.1706

39.9029, 0.3215,
0.2358

22.1702, 0.3327,
0.1643

47.1845, 0.3191,
0.2588

21.4903, 0.3344,
0.1617

55.9178, 0.3168,
0.2827

21.4718, 0.3344,
0.1616

66.1760, 0.3146,
0.3065

■ 78.0274, 0.3127,
0.3298

■ 91.5362, 0.3109,
0.3519

■ 93.7566, 0.3101,
0.3541

■ 93.8230, 0.3094,
0.3528

Harmonies

Analogous

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



29.3687, 0.2143, 0.1621



29.3687, 0.3264, 0.1961



29.3687, 0.4603, 0.2544

Triad

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



29.3687, 0.3264, 0.1961



29.3687, 0.4732, 0.4921



29.3687, 0.1233, 0.2624

Complementary

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



29.3687, 0.3264, 0.1961



58.6798, 0.3008, 0.5129

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.



29.3687, 0.1690, 0.4040



29.3687, 0.3264, 0.1961



29.3687, 0.3698, 0.5637

Square

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



29.3687, 0.3264, 0.1961



29.3687, 0.5447, 0.4045



29.3687, 0.2595, 0.5440



29.3687, 0.1184, 0.1847

Rectangle

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



29.3687, 0.3264, 0.1961



29.3687, 0.5280, 0.3012



29.3687, 0.2595, 0.5440



29.3687, 0.1334, 0.3030

Sweetspot

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



29.3701, 0.3264, 0.1961



73.9785, 0.3164, 0.2864



15.8922, 0.2011, 0.1392



15.0675, 0.3171, 0.2794



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.



29.3701, 0.3264, 0.1961



32.4428, 0.3293, 0.1778



26.4550, 0.4111, 0.2614



14.6017, 0.3146, 0.3070



12.4000, 0.3342, 0.1615



0.9203, 0.3321, 0.1603

Inverse Universe

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



29.3701, 0.3264, 0.1961



32.4428, 0.3293, 0.1778



60.5621, 0.2684, 0.4154



14.6017, 0.3146, 0.3070



12.4000, 0.3342, 0.1615



0.9203, 0.3321, 0.1603

Previews

White Background



This preview shows how the Yxy color 29.3687, 0.3264, 0.1961 looks on a white background.

Color Contrast Check

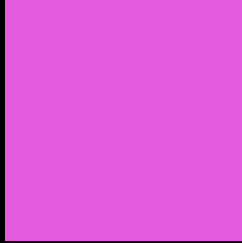
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.3687, 0.3264, 0.1961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

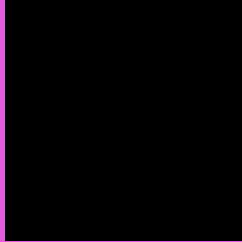
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.3687, 0.3264, 0.1961

Background



This preview shows how black text looks on a background with the Yxy color 29.3687, 0.3264, 0.1961.

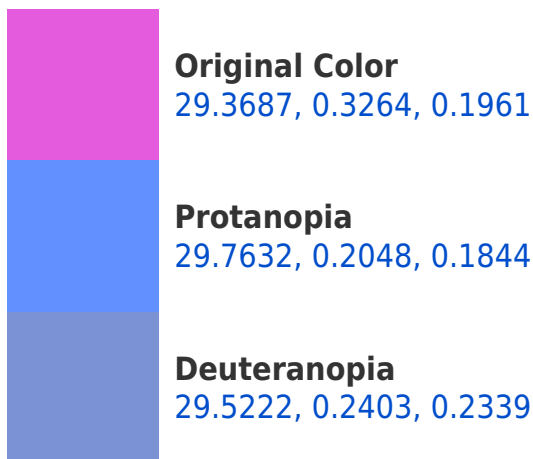


This preview shows how white text looks on a background with the Yxy color 29.3687, 0.3264, 0.1961.

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

29.2149, 0.4251, 0.3196

Trichromacy



Original Color

29.3687, 0.3264, 0.1961



Protanomaly

27.1580, 0.2338, 0.1804



Deuteranomaly

27.4051, 0.2656, 0.2115



Tritanomaly

28.8826, 0.3874, 0.2682

Monochromacy



Original Color

29.3687, 0.3264, 0.1961



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.4648, 0.3180, 0.2636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.3687, 0.3264, 0.1961 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, 92, 221)` looks like.

```
.text, #text, p{  
    color:rgb(228, 92, 221)  
}
```

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, 92, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 92, 221) }
```

Border

The CSS property to change the border of an element to Yxy 29.3687, 0.3264, 0.1961 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, 92, 221) }
```

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

```
.border{ border-color:rgb(228, 92, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 92, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 92, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 92, 221);  
box-shadow:4px 4px 4px 4px rgb(228, 92,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 29.3687, 0.3264, 0.1961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 92, 221) }
```

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

```
.background{ background-color: rgb(228, 92,  
221) }
```

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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