

Converting Colors

$Y_{xy}(28.3489, 0.3159, 0.1866)$

Have a look what the booklet for
Yxy(28.3489, 0.3159, 0.1866)
contains.

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Color

Yxy(28.3728, 0.3162, 0.1866)

Conversions

Conversions Part 1

Format	Color
Hex	E058E3
RGB	224, 88, 227
RGB Percent	88%, 35%, 89%
CMY	0.1218, 0.6546, 0.1099
CMYK	0.01, 0.61, 0.00, 0.11
HSL	299°, 71%, 62%
HSV	299°, 61%, 89%
XYZ	48.0787, 28.3728, 75.6000
YIQ	144.5100, 36.4370, 72.0610

Conversions

Conversions Part 2

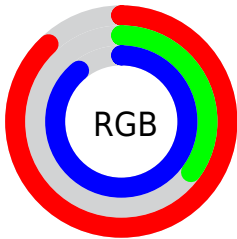
Format	Color
R _Y B	224, 88, 227
Decimal	14702819
CIE Lab	60.22, 69.84, -45.68
CIE LCh	60, 83.450, 326.813
Yxy	28.3728, 0.3162, 0.1866
Android (android.graphics.Color)	4292892899 (0xFFE058E3)
YUV	144.5100, 40.6676, 69.7127
Hunter-Lab	53.2661, 67.9006, -46.8633

Details

The Yxy color **28.3728, 0.3162, 0.1866** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light muted magenta. A complement of this color would be **57.8624, 0.3049, 0.5257**, and the grayscale version is **27.9373, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.0378, 0.3176, 0.2239**, and **11.3405, 0.3121, 0.1534** is the 20% darker color. If you saturate the color by 10%, you get **25.1272, 0.3163, 0.1715**, and if you desaturate by 10%, it is **32.7811, 0.3160, 0.2055**.

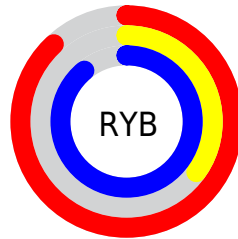
Distribution



Red (88%)

Green (35%)

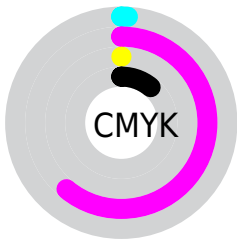
Blue (89%)



Red (88%)

Yellow (35%)

Blue (89%)

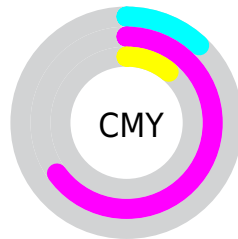


Cyan (1%)

Magenta (61%)

Yellow (0%)

Black (11%)



Cyan (12%)

Magenta (65%)

Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.3728, 0.3162, 0.1866 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 28.3728, 0.3162, 0.1866 by changing the saturation by 10% instead.

 28.3728, 0.3162,
0.1866


 28.3728, 0.3162,
0.1866


294.2440, 0.3178,
0.2530

 18.6069, 0.3149,
0.1718


 57.0791, 0.3175,
0.2094


 11.3866, 0.3126,
0.1539


 76.7882, 0.3178,
0.2184

 6.3275, 0.3089,
0.1319


 100.5806, 0.3179,
0.2261

 3.0452, 0.3023,
0.1049

 128.8405, 0.3180,
0.2329

 1.1554, 0.2902,
0.0721

161.9524, 0.3180,
0.2388

 0.0248, 0.2754,
0.0033

200.3007, 0.3180,

 0.0000, 0.2168,

0.2441

0.0000

244.2698, 0.3179,
0.2488

■ 0.0000, 0.0000,
0.0000

■ 28.3728, 0.3162,
0.1866

■ 28.3728, 0.3162,
0.1866

■ 25.1272, 0.3163,
0.1715

■ 32.7811, 0.3160,
0.2055

■ 22.9287, 0.3161,
0.1606

■ 38.4456, 0.3155,
0.2274

■ 21.6452, 0.3158,
0.1540

■ 45.4548, 0.3150,
0.2513

■ 21.0764, 0.3154,
0.1511

■ 53.8880, 0.3143,
0.2763

■ 63.8185, 0.3136,
0.3015

■ 75.3145, 0.3128,
0.3261

■ 88.4401, 0.3120,
0.3497

■ 93.5446, 0.3119,
0.3577

■ 93.6260, 0.3123,
0.3576

Harmonies

Analogous

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



28.3728, 0.2024, 0.1538



28.3728, 0.3162, 0.1866



28.3728, 0.4589, 0.2451

Triad

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



28.3728, 0.3162, 0.1866



28.3728, 0.4848, 0.4891



28.3728, 0.1170, 0.2661

Complementary

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



28.3728, 0.3162, 0.1866



57.8624, 0.3049, 0.5257

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.



28.3728, 0.1666, 0.4215



28.3728, 0.3162, 0.1866



28.3728, 0.3774, 0.5720

Square

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



28.3728, 0.3162, 0.1866



28.3728, 0.5581, 0.3974



28.3728, 0.2627, 0.5661



28.3728, 0.1099, 0.1813

Rectangle

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



28.3728, 0.3162, 0.1866



28.3728, 0.5342, 0.2925



28.3728, 0.2627, 0.5661



28.3728, 0.1281, 0.3108

Sweetspot

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



28.3741, 0.3162, 0.1866



73.9400, 0.3141, 0.2841



15.4000, 0.1951, 0.1379



15.0579, 0.3143, 0.2767



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.



28.3741, 0.3162, 0.1866



31.9534, 0.3162, 0.1686



25.9333, 0.3983, 0.2477



14.5983, 0.3135, 0.3058



12.3015, 0.3155, 0.1512



0.9142, 0.3163, 0.1516

Inverse Universe

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



24.0763, 0.5025, 0.3264



25.9778, 0.5605, 0.3268



59.3015, 0.2736, 0.4357



14.3731, 0.3289, 0.3285



9.5328, 0.6377, 0.3286



0.7063, 0.6309, 0.3249

Previews

White Background



This preview shows how the Yxy color 28.3728, 0.3162, 0.1866 looks on a white background.

Color Contrast Check

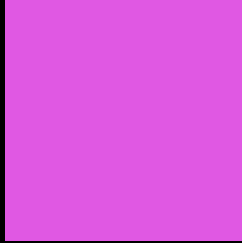
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.3728, 0.3162, 0.1866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

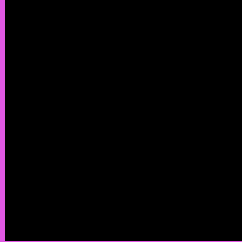
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3728, 0.3162, 0.1866

Background



This preview shows how black text looks on a background with the Yxy color 28.3728, 0.3162, 0.1866.



This preview shows how white text looks on a background with the Yxy color 28.3728, 0.3162, 0.1866.

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

28.3728, 0.3162, 0.1866

Protanopia

28.8932, 0.2020, 0.1810

Deuteranopia

28.7713, 0.2304, 0.2250



Tritanopia

28.2260, 0.4202, 0.3181

Trichromacy



Original Color

28.3728, 0.3162, 0.1866



Protanomaly

26.1744, 0.2292, 0.1742



Deuteranomaly

26.4081, 0.2539, 0.2007



Tritanomaly

27.5513, 0.3800, 0.2612

Monochromacy



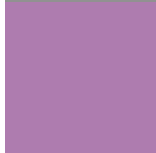
Original Color

28.3728, 0.3162, 0.1866



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

26.5091, 0.3150, 0.2577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3728, 0.3162, 0.1866 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(224, 88, 227)` looks like.

```
.text, #text, p{  
    color:rgb(224, 88, 227)  
}
```

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(224, 88, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 88, 227) }
```

Border

The CSS property to change the border of an element to Yxy 28.3728, 0.3162, 0.1866 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(224, 88, 227) }
```

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

```
.border{ border-color:rgb(224, 88, 227) }
```

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

Here you see how a box with a 4 pixel rgb(224, 88, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 88, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 88, 227);  
box-shadow:4px 4px 4px 4px rgb(224, 88,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3728, 0.3162, 0.1866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 88, 227) }
```

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

```
.background{ background-color: rgb(224, 88,  
227) }
```

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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