

Converting Colors

$Y_{xy}(28.2305, 0.3846, 0.2462)$

Have a look what the booklet for
Yxy(28.2305, 0.3846, 0.2462)
contains.

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Color

Yxy(28.1860, 0.3850, 0.2464)

Conversions

Conversions Part 1

Format	Color
Hex	E561AC
RGB	229, 97, 172
RGB Percent	90%, 38%, 67%
CMY	0.1019, 0.6197, 0.3254
CMYK	0.00, 0.58, 0.25, 0.10
HSL	326°, 72%, 64%
HSV	326°, 58%, 90%
XYZ	44.0406, 28.1860, 42.1646
YIQ	145.0180, 54.5970, 51.3090

Conversions

Conversions Part 2

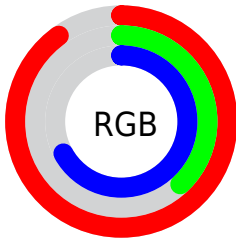
Format	Color
R _Y B	229, 97, 172
Decimal	15032748
CIE Lab	60.06, 59.08, -14.65
CIE LCh	60, 60.868, 346.076
Yxy	28.1860, 0.3850, 0.2464
Android (android.graphics.Color)	4293222828 (0xFFE561AC)
YUV	145.0180, 13.3021, 73.6522
Hunter-Lab	53.0905, 55.1643, -9.9249

Details

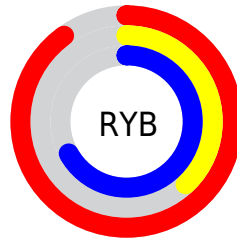
The Yxy color **28.1860, 0.3850, 0.2464** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **60.9210, 0.2771, 0.4352**, and the grayscale version is **28.2510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **49.5885, 0.3413, 0.2545**, and **11.2883, 0.4066, 0.2222** is the 20% darker color. If you saturate the color by 10%, you get **24.1835, 0.4041, 0.2366**, and if you desaturate by 10%, it is **33.4407, 0.3677, 0.2591**.

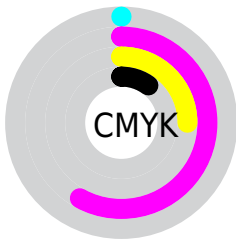
Distribution



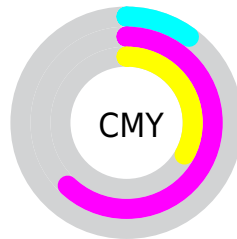
- Red (90%)
- Green (38%)
- Blue (67%)



- Red (90%)
- Yellow (38%)
- Blue (67%)



- Cyan (0%)
- Magenta (58%)
- Yellow (25%)
- Black (10%)





- Cyan (10%)
- Magenta (62%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.1860, 0.3850, 0.2464 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 28.1860, 0.3850, 0.2464 by changing the saturation by 10% instead.


 28.1860, 0.3850,
0.2464


 28.1860, 0.3850,
0.2464


293.3546, 0.3474,
0.2881


 18.4659, 0.3948,
0.2359


 56.7813, 0.3710,
0.2616

 11.2850, 0.4076,
0.2225


 76.4252, 0.3659,
0.2673

 6.2589, 0.4250,
0.2047


 100.1460, 0.3616,
0.2722

 3.0031, 0.4500,
0.1801

 128.3278, 0.3579,
0.2763

 1.1334, 0.4884,
0.1446

161.3552, 0.3547,
0.2798

 0.0062, 0.6072,
0.0024

199.6126, 0.3520,

 0.0000, 1.0000,

0.2830

0.0000

243.4842, 0.3496,
0.2857

■ 0.0000, 0.0000,
0.0000

■ 28.1860, 0.3850,
0.2464

■ 28.1860, 0.3850,
0.2464

■ 24.1835, 0.4041,
0.2366

■ 33.4407, 0.3677,
0.2591

■ 21.3201, 0.4243,
0.2308

■ 40.0395, 0.3525,
0.2735

■ 19.4691, 0.4449,
0.2300


■ 48.0705, 0.3393,
0.2886

■ 18.4571, 0.4649,
0.2346

■ 57.6129, 0.3282,
0.3037


■ 18.2772, 0.4696,
0.2361

■ 68.7402, 0.3188,
0.3183

 81.5211, 0.3110,
0.3322

 94.5451, 0.3046,
0.3429

 95.1527, 0.2991,
0.3328

 95.4009, 0.2970,
0.3290

Harmonies

Analogous

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



28.1860, 0.2826, 0.2041



28.1860, 0.3850, 0.2464



28.1860, 0.4748, 0.3053

Triad

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



28.1860, 0.3850, 0.2464



28.1860, 0.4064, 0.5009



28.1860, 0.1491, 0.2372

Complementary

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



28.1860, 0.3850, 0.2464



60.9210, 0.2771, 0.4352

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.



28.1860, 0.1705, 0.3234



28.1860, 0.3850, 0.2464



28.1860, 0.3157, 0.5109

Square

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



28.1860, 0.3850, 0.2464



28.1860, 0.4786, 0.4416



28.1860, 0.2290, 0.4373



28.1860, 0.1609, 0.1941

Rectangle

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



28.1860, 0.3850, 0.2464



28.1860, 0.5049, 0.3492



28.1860, 0.2290, 0.4373



28.1860, 0.1523, 0.2610

Sweetspot

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



28.1874, 0.3850, 0.2464



74.2452, 0.3276, 0.3045



20.8802, 0.2436, 0.1622



15.3257, 0.3297, 0.3015



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.



28.1874, 0.3850, 0.2464



30.1162, 0.4075, 0.2352



26.2901, 0.4748, 0.3176



14.5046, 0.3204, 0.3157



10.4728, 0.4667, 0.2344



0.7925, 0.4395, 0.2195

Inverse Universe

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



28.1874, 0.3850, 0.2464



30.1162, 0.4075, 0.2352



63.6516, 0.2459, 0.3432



14.5046, 0.3204, 0.3157



10.4728, 0.4667, 0.2344



0.7925, 0.4395, 0.2195

Previews

White Background



This preview shows how the Yxy color 28.1860, 0.3850, 0.2464 looks on a white background.

Color Contrast Check

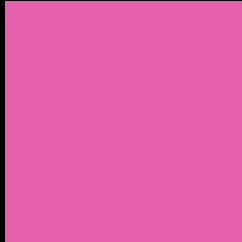
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.1860, 0.3850, 0.2464 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

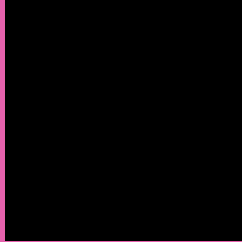
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.1860, 0.3850, 0.2464

Background



This preview shows how black text looks on a background with the Yxy color 28.1860, 0.3850, 0.2464.



This preview shows how white text looks on a background with the Yxy color 28.1860, 0.3850, 0.2464.

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

28.1860, 0.3850, 0.2464

Protanopia

28.4883, 0.2461, 0.2381

Deuteranopia

28.2504, 0.2989, 0.2922



Tritanopia

28.0689, 0.4497, 0.3202

Trichromacy



Original Color

28.1860, 0.3850, 0.2464



Protanomaly

26.5585, 0.2858, 0.2358



Deuteranomaly

27.0781, 0.3279, 0.2692



Tritanomaly

28.0780, 0.4266, 0.2927

Monochromacy



Original Color

28.1860, 0.3850, 0.2464



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

27.0350, 0.3386, 0.2903

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.1860, 0.3850, 0.2464 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, 97, 172)` looks like.

```
.text, #text, p{  
    color:rgb(229, 97, 172)  
}
```

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, 97, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 97, 172) }
```

Border

The CSS property to change the border of an element to Yxy 28.1860, 0.3850, 0.2464 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, 97, 172) }
```

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

```
.border{ border-color:rgb(229, 97, 172) }
```

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

Here you see how a box with a 4 pixel rgb(229, 97, 172) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 97, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 97, 172);  
box-shadow:4px 4px 4px 4px rgb(229, 97,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 28.1860, 0.3850, 0.2464 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 97, 172) }
```

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

```
.background{ background-color: rgb(229, 97,  
172) }
```

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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