

Converting Colors

$Y_{xy}(28.6132, 0.3793, 0.2654)$

Have a look what the booklet for
Yxy(28.6132, 0.3793, 0.2654)
contains.

Yxy(28.5839, 0.3788, 0.2648)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.5839, 0.3788, 0.2648)

Conversions

Conversions Part 1

Format	Color
Hex	D96EA4
RGB	217, 110, 164
RGB Percent	85%, 43%, 64%
CMY	0.1490, 0.5686, 0.3570
CMYK	0.00, 0.49, 0.24, 0.15
HSL	330°, 58%, 64%
HSV	330°, 49%, 85%
XYZ	40.8897, 28.5839, 38.4717
YIQ	148.1490, 46.4380, 39.4780

Conversions

Conversions Part 2

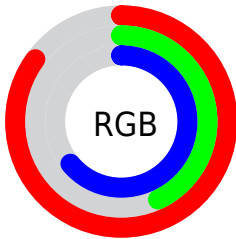
Format	Color
RYB	217, 110, 164
Decimal	14249636
CIELab	60.41, 48.09, -9.65
CIELCh	60, 49.045, 348.658
Yxy	28.5839, 0.3788, 0.2648
Android (android.graphics.Color)	4292439716 (0xFFD96EA4)
YUV	148.1490, 7.8145, 60.3823
Hunter-Lab	53.4639, 42.9565, -5.2393

Details

The Yxy color **28.5839, 0.3788, 0.2648** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.5862, 0.2767, 0.4062**, and the grayscale version is **29.6330, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.9254, 0.3471, 0.2729**, and **11.4670, 0.4000, 0.2455** is the 20% darker color. If you saturate the color by 10%, you get **24.0894, 0.3995, 0.2539**, and if you desaturate by 10%, it is **34.2604, 0.3607, 0.2775**.

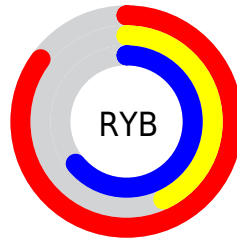
Distribution



Red (85%)

Green (43%)

Blue (64%)



Red (85%)

Yellow (43%)

Blue (64%)

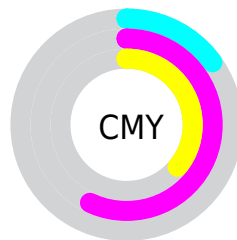


Cyan (0%)

Magenta (49%)

Yellow (24%)

Black (15%)



Cyan (15%)


Magenta (57%)


Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5839, 0.3788, 0.2648 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 28.5839, 0.3788, 0.2648 by changing the saturation by 10% instead.


 28.5839, 0.3788,
0.2648


 28.5839, 0.3788,
0.2648


295.2466, 0.3440,
0.2979


 18.7663, 0.3881,
0.2563


 57.4153, 0.3657,
0.2770

 11.5015, 0.4004,
0.2451


 77.1979, 0.3609,
0.2816

 6.4052, 0.4174,
0.2301


 101.0709, 0.3569,
0.2854

 3.0930, 0.4423,
0.2087

 129.4188, 0.3535,
0.2886

 1.1805, 0.4822,
0.1763

162.6259, 0.3506,
0.2914

 0.0457, 0.6237,
0.0223

201.0767, 0.3481,


 0.0000, 1.0000,


0.2938


0.0000

245.1554, 0.3459,
0.2960


 0.0000, 0.0000,
0.0000


 28.5839, 0.3788,
0.2648


 28.5839, 0.3788,
0.2648

 24.0894, 0.3995,
0.2539


 34.2604, 0.3607,
0.2775


 20.6868, 0.4223,
0.2460


 41.1921, 0.3452,
0.2909


 18.2796, 0.4466,
0.2423


 49.4512, 0.3321,
0.3044


 16.7521, 0.4710,
0.2437

 59.1029, 0.3212,
0.3174


 15.9145, 0.4946,
0.2503

 70.2085, 0.3121,
0.3298

 15.8653, 0.4963,
0.2508

 82.8253, 0.3047,
0.3414

 92.5187, 0.2985,
0.3452

 93.1743, 0.2926,
0.3340

 93.4914, 0.2900,
0.3289

Harmonies

Analogous

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



28.5839, 0.2961, 0.2267



28.5839, 0.3788, 0.2648



28.5839, 0.4474, 0.3168

Triad

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



28.5839, 0.3788, 0.2648



28.5839, 0.3879, 0.4725



28.5839, 0.1752, 0.2514

Complementary

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



28.5839, 0.3788, 0.2648



55.5862, 0.2767, 0.4062

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.



28.5839, 0.1925, 0.3197



28.5839, 0.3788, 0.2648



28.5839, 0.3122, 0.4688

Square

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



28.5839, 0.3788, 0.2648



28.5839, 0.4477, 0.4319



28.5839, 0.2408, 0.4067



28.5839, 0.1874, 0.2156

Rectangle

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



28.5839, 0.3788, 0.2648



28.5839, 0.4698, 0.3553



28.5839, 0.2408, 0.4067



28.5839, 0.1775, 0.2707

Sweetspot

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



28.5853, 0.3788, 0.2648



76.8155, 0.3273, 0.3099



23.8164, 0.2630, 0.1901



15.8261, 0.3297, 0.3071



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.



28.5853, 0.3788, 0.2648



34.5848, 0.4000, 0.2537



27.0712, 0.4486, 0.3273



13.1606, 0.3213, 0.3173



9.6256, 0.4931, 0.2490



0.6410, 0.4575, 0.2294

Inverse Universe

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



28.5853, 0.3788, 0.2648



34.5848, 0.4000, 0.2537



57.8579, 0.2492, 0.3312



13.1606, 0.3213, 0.3173



9.6256, 0.4931, 0.2490



0.6410, 0.4575, 0.2294

Previews

White Background



This preview shows how the Yxy color 28.5839, 0.3788, 0.2648 looks on a white background.

Color Contrast Check

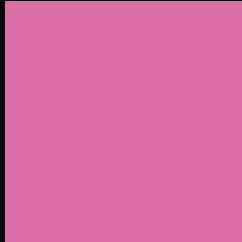
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.5839, 0.3788, 0.2648 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 28.5839, 0.3788, 0.2648

Background



This preview shows how black text looks on a background with the Yxy color 28.5839, 0.3788, 0.2648.



This preview shows how white text looks on a background with the Yxy color 28.5839, 0.3788, 0.2648.

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

28.5839, 0.3788, 0.2648

Protanopia

28.9896, 0.2665, 0.2656

Deuteranopia

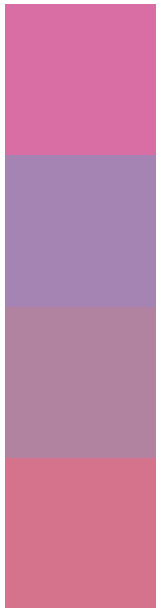
28.8178, 0.3097, 0.3031



Tritanopia

28.6094, 0.4207, 0.3194

Trichromacy



Original Color

28.5839, 0.3788, 0.2648

Protanomaly

27.7565, 0.3010, 0.2619

Deuteranomaly

28.0034, 0.3338, 0.2852

Tritanomaly

28.4511, 0.4049, 0.2985

Monochromacy



Original Color

28.5839, 0.3788, 0.2648

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

28.2675, 0.3353, 0.3000

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5839, 0.3788, 0.2648 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(217, 110, 164)` looks like.

```
.text, #text, p{  
    color:rgb(217, 110, 164)  
}
```

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(217, 110, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 110, 164) }
```

Border

The CSS property to change the border of an element to Yxy 28.5839, 0.3788, 0.2648 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(217, 110, 164) }
```

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

```
.border{ border-color:rgb(217, 110, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 110, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 110, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 110, 164);  
box-shadow:4px 4px 4px 4px rgb(217, 110,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5839, 0.3788, 0.2648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 110, 164) }
```

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

```
.background{ background-color: rgb(217,  
110, 164) }
```

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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