

Converting Colors

$Y_{xy}(29.5855, 0.3758, 0.2700)$

Have a look what the booklet for
Yxy(29.5855, 0.3758, 0.2700)
contains.

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Color

Yxy(29.5407, 0.3763, 0.2702)

Conversions

Conversions Part 1

Format	Color
Hex	D873A4
RGB	216, 115, 164
RGB Percent	85%, 45%, 64%
CMY	0.1531, 0.5489, 0.3569
CMYK	0.00, 0.47, 0.24, 0.15
HSL	331°, 56%, 65%
HSV	331°, 47%, 85%
XYZ	41.1405, 29.5407, 38.6478
YIQ	150.7850, 44.4670, 36.6510

Conversions

Conversions Part 2

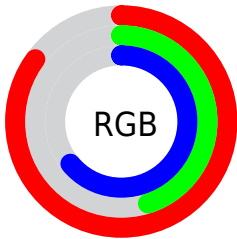
Format	Color
RYB	216, 115, 164
Decimal	14185380
CIELab	61.26, 45.22, -8.41
CIElCh	61, 45.998, 349.469
Yxy	29.5407, 0.3763, 0.2702
Android (android.graphics.Color)	4292375460 (0xFFD873A4)
YUV	150.7850, 6.5150, 57.1936
Hunter-Lab	54.3514, 39.9982, -4.1136

Details

The Yxy color **29.5407, 0.3763, 0.2702** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **55.5291, 0.2769, 0.3984**, and the grayscale version is **30.8107, 0.3127, 0.3290**.

A 20% lighter version of the original color is **54.7504, 0.3463, 0.2780**, and **12.0958, 0.3978, 0.2533** is the 20% darker color. If you saturate the color by 10%, you get **24.7943, 0.3973, 0.2592**, and if you desaturate by 10%, it is **35.4788, 0.3581, 0.2827**.

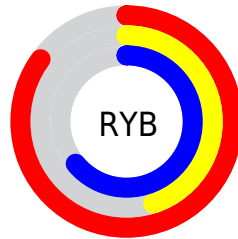
Distribution



Red (85%)

Green (45%)

Blue (64%)



Red (85%)

Yellow (45%)

Blue (64%)

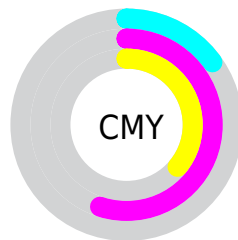


Cyan (0%)

Magenta (47%)

Yellow (24%)

Black (15%)



Cyan (15%)


Magenta (55%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.5407, 0.3763, 0.2702 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 29.5407, 0.3763, 0.2702 by changing the saturation by 10% instead.


 29.5407, 0.3763,
0.2702


 29.5407, 0.3763,
0.2702


299.7576, 0.3428,
0.3005

 19.4902, 0.3852,
0.2624


 58.9351, 0.3637,
0.2814

 12.0250, 0.3970,
0.2521


 79.0477, 0.3591,
0.2856

 6.7607, 0.4133,
0.2383


 103.2833, 0.3553,
0.2891

 3.3129, 0.4373,
0.2186

132.0261, 0.3520,
0.2920

 1.2972, 0.4756,
0.1884

165.6605, 0.3492,
0.2946

 0.1390, 0.5970,
0.0638

204.5710, 0.3468,

 0.0000, 1.0000,

0.2968

0.0000

249.1419, 0.3447,
0.2988

0.0000, 0.0000,
0.0000

29.5407, 0.3763,
0.2702

29.5407, 0.3763,
0.2702

24.7943, 0.3973,
0.2592

35.4788, 0.3581,
0.2827

21.1526, 0.4207,
0.2508

42.6791, 0.3426,
0.2957

18.5237, 0.4459,
0.2463


51.2113, 0.3297,
0.3086


16.7985, 0.4716,
0.2468


61.1392, 0.3189,
0.3210


15.8368, 0.4965,
0.2528

72.5222, 0.3100,
0.3327

 15.6075, 0.5045,
0.2553

 85.4162, 0.3027,
0.3437

 92.5139, 0.2964,
0.3425

 93.2021, 0.2905,
0.3310

 93.3329, 0.2894,
0.3289

Harmonies

Analogous

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



29.5407, 0.2995, 0.2336



29.5407, 0.3763, 0.2702



29.5407, 0.4389, 0.3198

Triad

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



29.5407, 0.3763, 0.2702



29.5407, 0.3822, 0.4631



29.5407, 0.1834, 0.2559

Complementary

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



29.5407, 0.3763, 0.2702



55.5291, 0.2769, 0.3984

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.



29.5407, 0.1995, 0.3190



29.5407, 0.3763, 0.2702



29.5407, 0.3112, 0.4567

Square

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



29.5407, 0.3763, 0.2702



29.5407, 0.4381, 0.4277



29.5407, 0.2445, 0.3986



29.5407, 0.1957, 0.2224

Rectangle

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



29.5407, 0.3763, 0.2702



29.5407, 0.4591, 0.3564



29.5407, 0.2445, 0.3986



29.5407, 0.1855, 0.2738

Sweetspot

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



29.5421, 0.3763, 0.2702



78.1716, 0.3267, 0.3119



25.2781, 0.2679, 0.1984



16.0914, 0.3292, 0.3091



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.



29.5421, 0.3763, 0.2702



36.2476, 0.3968, 0.2594



28.1010, 0.4400, 0.3294



12.5202, 0.3216, 0.3177



9.2635, 0.5010, 0.2534



0.5754, 0.4617, 0.2317

Inverse Universe

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



29.5421, 0.3763, 0.2702



36.2476, 0.3968, 0.2594



57.6945, 0.2508, 0.3288



12.5202, 0.3216, 0.3177



9.2635, 0.5010, 0.2534



0.5754, 0.4617, 0.2317

Previews

White Background



This preview shows how the Yxy color 29.5407, 0.3763, 0.2702 looks on a white background.

Color Contrast Check

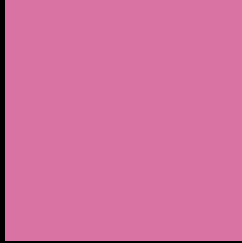
Large Text (above 18pt) WCAG AA ✓ Pass

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 29.5407, 0.3763, 0.2702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

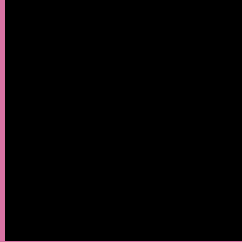
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.5407, 0.3763, 0.2702

Background



This preview shows how black text looks on a background with the Yxy color 29.5407, 0.3763, 0.2702.



This preview shows how white text looks on a background with the Yxy color 29.5407, 0.3763, 0.2702.

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

29.5407, 0.3763, 0.2702

Protanopia

29.8592, 0.2718, 0.2720

Deuteranopia

29.7188, 0.3127, 0.3064



Tritanopia

29.6769, 0.4135, 0.3194

Trichromacy



Original Color

29.5407, 0.3763, 0.2702

Protanomaly

28.7178, 0.3050, 0.2692

Deuteranomaly

28.9320, 0.3345, 0.2897

Tritanomaly

29.4428, 0.4007, 0.3009

Monochromacy



Original Color

29.5407, 0.3763, 0.2702

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

29.6912, 0.3347, 0.3032

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.5407, 0.3763, 0.2702 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(216, 115, 164)` looks like.

```
.text, #text, p{  
    color:rgb(216, 115, 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(216, 115, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 115, 164) }
```

Border

The CSS property to change the border of an element to Yxy 29.5407, 0.3763, 0.2702 is called "border". The border property can be set on classes, ids or directly on the HTML element.

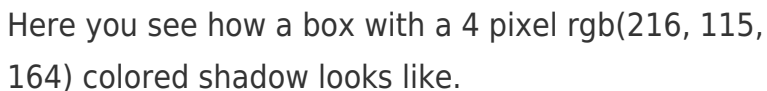
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(216, 115, 164) }
```

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

```
.border{ border-color:rgb(216, 115, 164) }
```

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



Here you see how a box with a 4 pixel `rgb(216, 115, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(216, 115, 164); -webkit-box-shadow:4px 4px 4px 4px rgb(216, 115, 164); box-shadow:4px 4px 4px 4px rgb(216, 115, 164) }
```


Background

The CSS property to change the background color of an element to Yxy 29.5407, 0.3763, 0.2702 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 115, 164) }
```

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

```
.background{ background-color: rgb(216,  
115, 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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