

Converting Colors

$Y_{xy}(28.1667, 0.3750, 0.2508)$

Have a look what the booklet for
Yxy(28.1667, 0.3750, 0.2508)
contains.

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Color

Yxy(28.2513, 0.3745, 0.2506)

Conversions

Conversions Part 1

Format	Color
Hex	DD68AC
RGB	221, 104, 172
RGB Percent	87%, 41%, 67%
CMY	0.1333, 0.5922, 0.3254
CMYK	0.00, 0.53, 0.22, 0.13
HSL	325°, 63%, 64%
HSV	325°, 53%, 87%
XYZ	42.2191, 28.2513, 42.2642
YIQ	146.7350, 47.9040, 45.9520

Conversions

Conversions Part 2

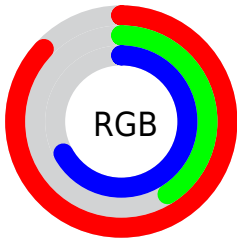
Format	Color
R _{YB}	221, 104, 172
Decimal	14510252
CIE Lab	60.12, 53.42, -14.66
CIE LCh	60, 55.392, 344.653
Yxy	28.2513, 0.3745, 0.2506
Android (android.graphics.Color)	4292700332 (0xFFDD68AC)
YUV	146.7350, 12.4556, 65.1304
Hunter-Lab	53.1520, 48.7684, -9.9386

Details

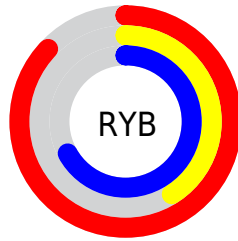
The Yxy color **28.2513, 0.3745, 0.2506** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **56.9617, 0.2797, 0.4269**, and the grayscale version is **28.9956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.6023, 0.3406, 0.2604**, and **11.3392, 0.3930, 0.2274** is the 20% darker color. If you saturate the color by 10%, you get **24.0283, 0.3921, 0.2390**, and if you desaturate by 10%, it is **33.6675, 0.3588, 0.2645**.

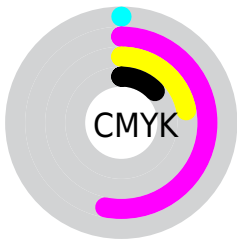
Distribution



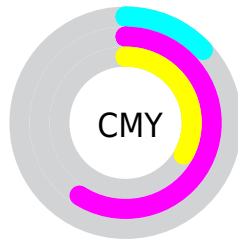
- Red (87%)
- Green (41%)
- Blue (67%)



- Red (87%)
- Yellow (41%)
- Blue (67%)



- Cyan (0%)
- Magenta (53%)
- Yellow (22%)
- Black (13%)





- Cyan (13%)
- Magenta (59%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2513, 0.3745, 0.2506 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 28.2513, 0.3745, 0.2506 by changing the saturation by 10% instead.


 28.2513, 0.3745,
0.2506


 28.2513, 0.3745,
0.2506


293.6658, 0.3424,
0.2903


 18.5152, 0.3829,
0.2406


 56.8854, 0.3626,
0.2651

 11.3205, 0.3938,
0.2277


 76.5522, 0.3582,
0.2706

 6.2828, 0.4086,
0.2105


 100.2980, 0.3545,
0.2751

 3.0178, 0.4300,
0.1867

 128.5071, 0.3514,
0.2791

 1.1410, 0.4629,
0.1519

161.5641, 0.3487,
0.2825

 0.0127, 0.5725,
0.0052

199.8533, 0.3463,


 0.0000, 1.0000,


0.2854


0.0000

243.7590, 0.3443,
0.2880


 0.0000, 0.0000,
0.0000


 28.2513, 0.3745,
0.2506


 28.2513, 0.3745,
0.2506


 24.0283, 0.3921,
0.2390


 33.6675, 0.3588,
0.2645

 20.9007, 0.4110,
0.2308


 40.3563, 0.3450,
0.2796


 18.7619, 0.4307,
0.2273


 48.3952, 0.3332,
0.2951


 17.4818, 0.4503,
0.2290


 57.8540, 0.3232,
0.3103


 16.9449, 0.4638,
0.2329

 68.7979, 0.3149,
0.3249

 81.2881, 0.3079,
0.3386

 92.9965, 0.3022,
0.3477

 93.5509, 0.2971,
0.3381

 94.1141, 0.2923,
0.3289

Harmonies

Analogous

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



28.2513, 0.2816, 0.2117



28.2513, 0.3745, 0.2506



28.2513, 0.4573, 0.3056

Triad

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



28.2513, 0.3745, 0.2506



28.2513, 0.4049, 0.4856



28.2513, 0.1610, 0.2487

Complementary

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



28.2513, 0.3745, 0.2506



56.9617, 0.2797, 0.4269

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.



28.2513, 0.1835, 0.3297



28.2513, 0.3745, 0.2506



28.2513, 0.3215, 0.4941

Square

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



28.2513, 0.3745, 0.2506



28.2513, 0.4690, 0.4328



28.2513, 0.2403, 0.4309



28.2513, 0.1704, 0.2057

Rectangle

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



28.2513, 0.3745, 0.2506



28.2513, 0.4872, 0.3470



28.2513, 0.2403, 0.4309



28.2513, 0.1648, 0.2715

Sweetspot

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



28.2527, 0.3745, 0.2506



75.6225, 0.3262, 0.3055



21.8688, 0.2508, 0.1764



15.5986, 0.3283, 0.3023



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.



28.2527, 0.3745, 0.2506



32.4532, 0.3950, 0.2374



26.4827, 0.4540, 0.3181



13.1778, 0.3201, 0.3155



9.8654, 0.4610, 0.2313



0.6562, 0.4320, 0.2153

Inverse Universe

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



28.2527, 0.3745, 0.2506



32.4532, 0.3950, 0.2374



59.3783, 0.2496, 0.3418



13.1778, 0.3201, 0.3155



9.8654, 0.4610, 0.2313



0.6562, 0.4320, 0.2153

Previews

White Background



This preview shows how the Yxy color 28.2513, 0.3745, 0.2506 looks on a white background.

Color Contrast Check

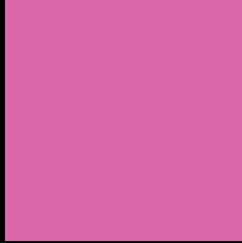
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2513, 0.3745, 0.2506 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

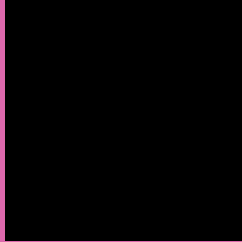
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2513, 0.3745, 0.2506

Background



This preview shows how black text looks on a background with the Yxy color 28.2513, 0.3745, 0.2506.



This preview shows how white text looks on a background with the Yxy color 28.2513, 0.3745, 0.2506.

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

28.2513, 0.3745, 0.2506

Protanopia

28.4822, 0.2518, 0.2447

Deuteranopia

28.5832, 0.2980, 0.2923



Tritanopia

28.2905, 0.4296, 0.3196

Trichromacy



Original Color

28.2513, 0.3745, 0.2506



Protanomaly

27.0996, 0.2877, 0.2433



Deuteranomaly

27.4956, 0.3243, 0.2727



Tritanomaly

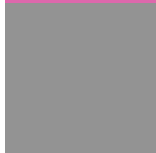
28.1974, 0.4098, 0.2932

Monochromacy



Original Color

28.2513, 0.3745, 0.2506



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

27.6316, 0.3347, 0.2929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2513, 0.3745, 0.2506 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(221, 104, 172)` looks like.

```
.text, #text, p{  
    color:rgb(221, 104, 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(221, 104, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 104, 172) }
```

Border

The CSS property to change the border of an element to Yxy 28.2513, 0.3745, 0.2506 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(221, 104, 172) }
```

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

```
.border{ border-color:rgb(221, 104, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 104, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 104, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 104, 172);  
box-shadow:4px 4px 4px 4px rgb(221, 104,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2513, 0.3745, 0.2506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 104, 172) }
```

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

```
.background{ background-color: rgb(221,  
104, 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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