

Converting Colors

$Y_{xy}(30.9410, 0.3717, 0.2663)$

Have a look what the booklet for
Yxy(30.9410, 0.3717, 0.2663)
contains.

Yxy(30.8785, 0.3716, 0.2655)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.8785, 0.3716, 0.2655)

Conversions

Conversions Part 1

Format	Color
Hex	DC75AB
RGB	220, 117, 171
RGB Percent	86%, 46%, 67%
CMY	0.1374, 0.5411, 0.3294
CMYK	0.00, 0.47, 0.22, 0.14
HSL	329°, 59%, 66%
HSV	329°, 47%, 86%
XYZ	43.2183, 30.8785, 42.2064
YIQ	153.9530, 44.0540, 38.6300

Conversions

Conversions Part 2

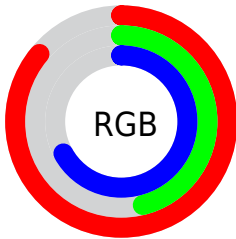
Format	Color
RYB	220, 117, 171
Decimal	14448043
CIELab	62.40, 46.53, -10.65
CIELCh	62, 47.735, 347.114
Yxy	30.8785, 0.3716, 0.2655
Android (android.graphics.Color)	4292638123 (0xFFDC75AB)
YUV	153.9530, 8.4042, 57.9232
Hunter-Lab	55.5684, 41.5834, -6.1352

Details

The Yxy color **30.8785, 0.3716, 0.2655** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **57.7046, 0.2791, 0.4046**, and the grayscale version is **32.2438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8768, 0.3400, 0.2733**, and **12.7852, 0.3905, 0.2463** is the 20% darker color. If you saturate the color by 10%, you get **25.9574, 0.3907, 0.2536**, and if you desaturate by 10%, it is **37.0384, 0.3549, 0.2789**.

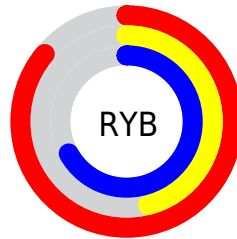
Distribution



Red (86%)

Green (46%)

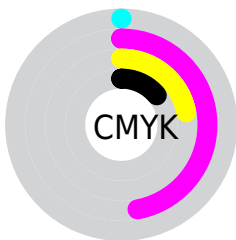
Blue (67%)



Red (86%)

Yellow (46%)

Blue (67%)

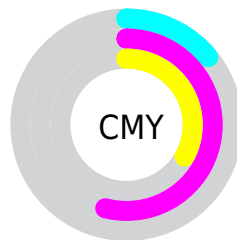


Cyan (0%)

Magenta (47%)

Yellow (22%)

Black (14%)



Cyan (14%)


Magenta (54%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.8785, 0.3716, 0.2655 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 30.8785, 0.3716, 0.2655 by changing the saturation by 10% instead.


 30.8785, 0.3716,
0.2655


 30.8785, 0.3716,
0.2655


305.9782, 0.3410,
0.2978

 20.5063, 0.3796,
0.2573


 61.0487, 0.3602,
0.2773

 12.7636, 0.3901,
0.2467


 81.6156, 0.3560,
0.2817

 7.2660, 0.4044,
0.2326

 106.3495, 0.3525,
0.2855

 3.6290, 0.4251,
0.2127

135.6348, 0.3495,
0.2886

 1.4683, 0.4573,
0.1831

169.8559, 0.3470,
0.2914

 0.2662, 0.5380,
0.0945

209.3973, 0.3447,

 0.0000, 1.0000,

0.2938

0.0000

254.6432, 0.3428,
0.2959

0.0000, 0.0000,
0.0000

30.8785, 0.3716,
0.2655

30.8785, 0.3716,
0.2655

25.9574, 0.3907,
0.2536

37.0384, 0.3549,
0.2789

22.1842, 0.4120,
0.2444

44.5107, 0.3406,
0.2929

19.4630, 0.4348,
0.2391


53.3683, 0.3286,
0.3068

17.6795, 0.4581,
0.2388

63.6775, 0.3185,
0.3203


16.6869, 0.4808,
0.2439


75.5005, 0.3102,
0.3330

 16.4550, 0.4880,
0.2462

 88.8956, 0.3033,
0.3448

 93.2767, 0.2975,
0.3399

 93.9315, 0.2919,
0.3292

 93.9499, 0.2917,
0.3289

Harmonies

Analogous

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



30.8785, 0.2933, 0.2296



30.8785, 0.3716, 0.2655



30.8785, 0.4380, 0.3151

Triad

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



30.8785, 0.3716, 0.2655



30.8785, 0.3886, 0.4644



30.8785, 0.1812, 0.2582

Complementary

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



30.8785, 0.3716, 0.2655



57.7046, 0.2791, 0.4046

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.



30.8785, 0.1997, 0.3247



30.8785, 0.3716, 0.2655



30.8785, 0.3167, 0.4625

Square

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



30.8785, 0.3716, 0.2655



30.8785, 0.4439, 0.4255



30.8785, 0.2477, 0.4064



30.8785, 0.1915, 0.2218

Rectangle

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



30.8785, 0.3716, 0.2655



30.8785, 0.4610, 0.3521



30.8785, 0.2477, 0.4064



30.8785, 0.1841, 0.2772

Sweetspot

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



30.8800, 0.3716, 0.2655



78.2537, 0.3257, 0.3105



25.9019, 0.2646, 0.1969



16.1113, 0.3280, 0.3075



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.



30.8800, 0.3716, 0.2655



36.4830, 0.3901, 0.2540



29.3073, 0.4361, 0.3253



13.1650, 0.3210, 0.3168



9.6836, 0.4847, 0.2444



0.6447, 0.4508, 0.2257

Inverse Universe

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



30.8800, 0.3716, 0.2655



36.4830, 0.3901, 0.2540



59.9368, 0.2524, 0.3333



13.1650, 0.3210, 0.3168



9.6836, 0.4847, 0.2444



0.6447, 0.4508, 0.2257

Previews

White Background



This preview shows how the Yxy color 30.8785, 0.3716, 0.2655 looks on a white background.

Color Contrast Check

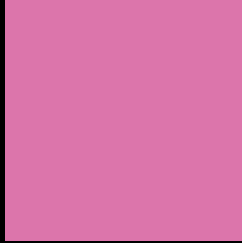
Large Text (above 18pt) WCAG AA × Fail

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 30.8785, 0.3716, 0.2655 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

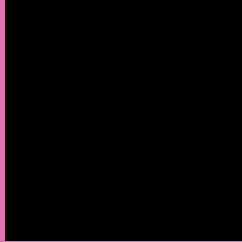
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8785, 0.3716, 0.2655

Background



This preview shows how black text looks on a background with the Yxy color 30.8785, 0.3716, 0.2655.



This preview shows how white text looks on a background with the Yxy color 30.8785, 0.3716, 0.2655.

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

30.8785, 0.3716, 0.2655

Protanopia

31.2384, 0.2670, 0.2661

Deuteranopia

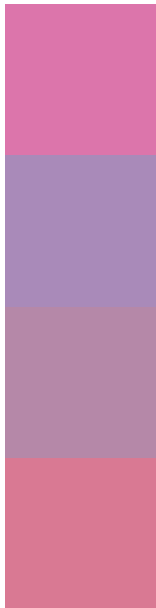
30.9915, 0.3069, 0.3009



Tritanopia

30.7355, 0.4108, 0.3170

Trichromacy



Original Color

30.8785, 0.3716, 0.2655

Protanomaly

30.1148, 0.2995, 0.2636

Deuteranomaly

30.2592, 0.3288, 0.2848

Tritanomaly

30.5330, 0.3969, 0.2976

Monochromacy



Original Color

30.8785, 0.3716, 0.2655

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

31.0528, 0.3332, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8785, 0.3716, 0.2655 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(220, 117, 171)` looks like.

```
.text, #text, p{  
    color:rgb(220, 117, 171)  
}
```

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(220, 117, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 117, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.8785, 0.3716, 0.2655 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(220, 117, 171) }
```

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

```
.border{ border-color:rgb(220, 117, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 117, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 117, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 117, 171);  
box-shadow:4px 4px 4px 4px rgb(220, 117,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8785, 0.3716, 0.2655 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 117, 171) }
```

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

```
.background{ background-color: rgb(220,  
117, 171) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor