

Converting Colors

$Y_{xy}(40.4344, 0.3177, 0.2791)$

Have a look what the booklet for
Yxy(40.4344, 0.3177, 0.2791)
contains.

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Color

Yxy(40.4245, 0.3178, 0.2796)

Conversions

Conversions Part 1

Format	Color
Hex	C89DC5
RGB	200, 157, 197
RGB Percent	78%, 62%, 77%
CMY	0.2158, 0.3842, 0.2274
CMYK	0.00, 0.21, 0.01, 0.22
HSL	304°, 28%, 70%
HSV	304°, 21%, 78%
XYZ	45.9474, 40.4245, 58.2078
YIQ	174.4170, 12.7880, 21.5560

Conversions

Conversions Part 2

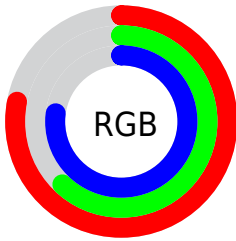
Format	Color
R _Y B	200, 157, 197
Decimal	13147589
CIE Lab	69.77, 22.71, -14.44
CIE LCh	70, 26.913, 327.555
Yxy	40.4245, 0.3178, 0.2796
Android (android.graphics.Color)	4291337669 (0xFFC89DC5)
YUV	174.4170, 11.1334, 22.4363
Hunter-Lab	63.5803, 17.7308, -9.7739

Details

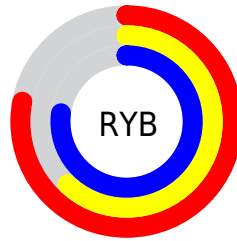
The Yxy color $40.4245, 0.3178, 0.2796$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $50.9988, 0.3079, 0.3839$, and the grayscale version is $42.4896, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.5027, 0.3154, 0.2880$, and $18.1973, 0.3196, 0.2660$ is the 20% darker color. If you saturate the color by 10%, you get $34.1408, 0.3205, 0.2564$, and if you desaturate by 10%, it is $47.8197, 0.3153, 0.3029$.

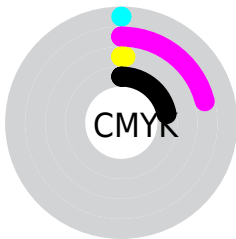
Distribution



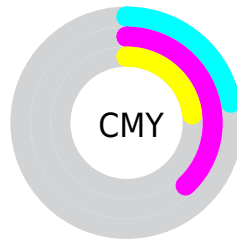
- Red (78%)
- Green (62%)
- Blue (77%)



- Red (78%)
- Yellow (62%)
- Blue (77%)



- Cyan (0%)
- Magenta (21%)
- Yellow (1%)
- Black (22%)




- Cyan (22%)
- Magenta (38%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4245, 0.3178, 0.2796 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 40.4245, 0.3178, 0.2796 by changing the saturation by 10% instead.

 40.4245, 0.3178,
0.2796


 40.4245, 0.3178,
0.2796


347.9095, 0.3156,
0.3039

 27.8697, 0.3182,
0.2737


 75.8095, 0.3171,
0.2883

 18.2274, 0.3187,
0.2661


 99.4085, 0.3168,
0.2916

 11.1134, 0.3193,
0.2562


127.4576, 0.3165,
0.2945

 6.1432, 0.3199,
0.2427

160.3413, 0.3163,
0.2969

 2.9323, 0.3203,
0.2231

198.4439, 0.3161,
0.2990

 1.0965, 0.3198,
0.1926

242.1499, 0.3159,

 0.0000, 0.3507,

0.3008

0.0000

291.8437, 0.3158,
0.3024

■ 0.0000, 0.0000,
0.0000

■ 40.4245, 0.3178,
0.2796

■ 40.4245, 0.3178,
0.2796

■ 34.1408, 0.3205,
0.2564

■ 47.8197, 0.3153,
0.3029

■ 28.9095, 0.3234,
0.2341

■ 56.3711, 0.3130,
0.3257

■ 24.6740, 0.3263,
0.2136

■ 66.1277, 0.3110,
0.3475

■ 21.3704, 0.3293,
0.1959

■ 77.1339, 0.3092,
0.3680

■ 18.9274, 0.3321,
0.1818

■ 88.1487, 0.3077,
0.3850

■ 17.2631, 0.3348,
0.1719

■ 88.2150, 0.3070,
0.3834

■ 16.2803, 0.3372,
0.1663

■ 88.2819, 0.3062,
0.3819

■ 15.8278, 0.3391,
0.1642

■ 88.3494, 0.3054,
0.3803

■ 88.4175, 0.3047,
0.3788

Harmonies

Analogous

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



40.4245, 0.2795, 0.2663



40.4245, 0.3178, 0.2796



40.4245, 0.3569, 0.3042

Triad

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



40.4245, 0.3178, 0.2796



40.4245, 0.3754, 0.3913



40.4245, 0.2458, 0.3159

Complementary

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



40.4245, 0.3178, 0.2796



50.9988, 0.3079, 0.3839

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.



40.4245, 0.2686, 0.3544



40.4245, 0.3178, 0.2796



40.4245, 0.3431, 0.4000

Square

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



40.4245, 0.3178, 0.2796



40.4245, 0.3911, 0.3668



40.4245, 0.3039, 0.3867



40.4245, 0.2399, 0.2845

Rectangle

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



40.4245, 0.3178, 0.2796



40.4245, 0.3772, 0.3245



40.4245, 0.3039, 0.3867



40.4245, 0.2516, 0.3285

Sweetspot

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



40.4263, 0.3178, 0.2796



90.5560, 0.3140, 0.3153



35.7503, 0.2794, 0.2703



19.1725, 0.3142, 0.3138



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.



40.4263, 0.3178, 0.2796



64.4557, 0.3191, 0.2682



39.5146, 0.3375, 0.3054



10.8035, 0.3148, 0.3078



10.0735, 0.3388, 0.1640



0.4809, 0.3347, 0.1617

Inverse Universe

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



40.4263, 0.3178, 0.2796



64.4557, 0.3191, 0.2682



51.8124, 0.2933, 0.3539



10.8035, 0.3148, 0.3078



10.0735, 0.3388, 0.1640



0.4809, 0.3347, 0.1617

Previews

White Background



This preview shows how the Yxy color 40.4245, 0.3178, 0.2796 looks on a white background.

Color Contrast Check

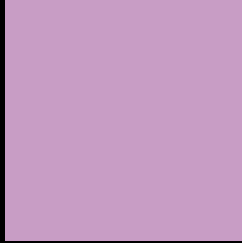
Large Text (above 18pt) WCAG AA × Fail

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 40.4245, 0.3178, 0.2796 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

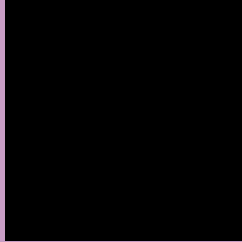
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4245, 0.3178, 0.2796

Background



This preview shows how black text looks on a background with the Yxy color 40.4245, 0.3178, 0.2796.



This preview shows how white text looks on a background with the Yxy color 40.4245, 0.3178, 0.2796.

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

40.4245, 0.3178, 0.2796

Protanopia

40.5702, 0.2793, 0.2811

Deuteranopia

40.4427, 0.2976, 0.2908



Tritanopia

40.4160, 0.3355, 0.3124

Trichromacy



Original Color

40.4245, 0.3178, 0.2796

Protanomaly

40.4046, 0.2920, 0.2808

Deuteranomaly

40.4942, 0.3047, 0.2865

Tritanomaly

40.5248, 0.3292, 0.3011

Monochromacy



Original Color

40.4245, 0.3178, 0.2796

Achromatopsia

42.3268, 0.3127, 0.3290

Achromatomaly

41.4499, 0.3145, 0.3106

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4245, 0.3178, 0.2796 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(200, 157, 197)` looks like.

```
.text, #text, p{  
    color:rgb(200, 157, 197)  
}
```

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(200, 157, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 157, 197) }
```

Border

The CSS property to change the border of an element to Yxy 40.4245, 0.3178, 0.2796 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(200, 157, 197) }
```

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

```
.border{ border-color:rgb(200, 157, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 157, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 157, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 157, 197);  
box-shadow:4px 4px 4px 4px rgb(200, 157,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4245, 0.3178, 0.2796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 157, 197) }
```

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

```
.background{ background-color: rgb(200,  
157, 197) }
```

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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