

Converting Colors

$Y_{xy}(40.7494, 0.3208, 0.2698)$

Have a look what the booklet for
Yxy(40.7494, 0.3208, 0.2698)
contains.

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Color

Yxy(40.6496, 0.3212, 0.2694)

Conversions

Conversions Part 1

Format	Color
Hex	D199CB
RGB	209, 153, 203
RGB Percent	82%, 60%, 80%
CMY	0.1803, 0.4000, 0.2040
CMYK	0.00, 0.27, 0.03, 0.18
HSL	306°, 38%, 71%
HSV	306°, 27%, 82%
XYZ	48.4657, 40.6496, 61.7741
YIQ	175.4440, 17.3260, 27.4220

Conversions

Conversions Part 2

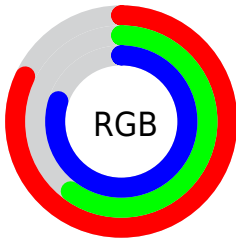
Format	Color
R _Y B	209, 153, 203
Decimal	13736395
CIE Lab	69.93, 29.07, -17.41
CIE LCh	70, 33.886, 329.076
Yxy	40.6496, 0.3212, 0.2694
Android (android.graphics.Color)	4291926475 (0xFFD199CB)
YUV	175.4440, 13.5851, 29.4286
Hunter-Lab	63.7570, 24.1141, -12.8161

Details

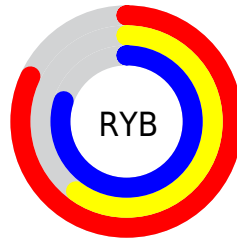
The Yxy color $40.6496, 0.3212, 0.2694$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $54.8861, 0.3052, 0.3969$, and the grayscale version is $43.0343, 0.3127, 0.3290$.

A 20% lighter version of the original color is $73.5918, 0.3149, 0.2831$, and $18.3473, 0.3229, 0.2531$ is the 20% darker color. If you saturate the color by 10%, you get $34.2913, 0.3250, 0.2472$, and if you desaturate by 10%, it is $48.2115, 0.3177, 0.2920$.

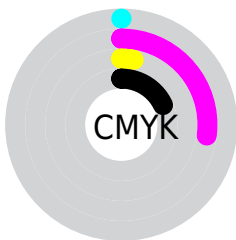
Distribution



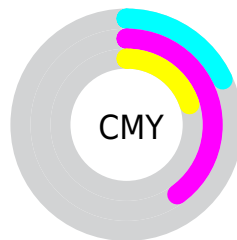
- Red (82%)
- Green (60%)
- Blue (80%)



- Red (82%)
- Yellow (60%)
- Blue (80%)



- Cyan (0%)
- Magenta (27%)
- Yellow (3%)
- Black (18%)





- Cyan (18%)
- Magenta (40%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.6496, 0.3212, 0.2694 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 40.6496, 0.3212, 0.2694 by changing the saturation by 10% instead.


 40.6496, 0.3212,
0.2694


 40.6496, 0.3212,
0.2694


348.8540, 0.3175,
0.2984

 28.0454, 0.3220,
0.2624


 76.1517, 0.3200,
0.2797

 18.3599, 0.3229,
0.2536


 99.8184, 0.3195,
0.2837

 11.2087, 0.3239,
0.2422


127.9413, 0.3190,
0.2870

 6.2074, 0.3251,
0.2267

160.9049, 0.3187,
0.2899

 2.9716, 0.3262,
0.2048

199.0936, 0.3183,
0.2925

 1.1169, 0.3266,
0.1717

242.8917, 0.3180,

 0.0000, 0.3634,

0.2947

0.0000

292.6837, 0.3177,
0.2966

0.0000, 0.0000,
0.0000

40.6496, 0.3212,
0.2694

40.6496, 0.3212,
0.2694

34.2913, 0.3250,
0.2472

48.2115, 0.3177,
0.2920

29.0687, 0.3290,
0.2264

57.0294, 0.3146,
0.3143

24.9153, 0.3332,
0.2077

67.1596, 0.3119,
0.3358

21.7557, 0.3375,
0.1923


78.6528, 0.3095,
0.3561

19.5046, 0.3417,
0.1808


89.9454, 0.3075,
0.3726


 18.0624, 0.3456,
0.1737


 90.0616, 0.3062,
0.3701

 17.2988, 0.3492,
0.1708

 90.1794, 0.3050,
0.3676

 17.1227, 0.3504,
0.1704

 90.2988, 0.3037,
0.3651

 90.4198, 0.3025,
0.3627

Harmonies

Analogous

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



40.6496, 0.2732, 0.2523



40.6496, 0.3212, 0.2694



40.6496, 0.3704, 0.2997

Triad

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



40.6496, 0.3212, 0.2694



40.6496, 0.3890, 0.4074



40.6496, 0.2289, 0.3092

Complementary

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



40.6496, 0.3212, 0.2694



54.8861, 0.3052, 0.3969

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.



40.6496, 0.2555, 0.3585



40.6496, 0.3212, 0.2694



40.6496, 0.3474, 0.4189

Square

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



40.6496, 0.3212, 0.2694



40.6496, 0.4107, 0.3765



40.6496, 0.2985, 0.4013



40.6496, 0.2232, 0.2713

Rectangle

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



40.6496, 0.3212, 0.2694



40.6496, 0.3956, 0.3245



40.6496, 0.2985, 0.4013



40.6496, 0.2355, 0.3251

Sweetspot

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



40.6514, 0.3212, 0.2694



87.5269, 0.3150, 0.3114



34.7180, 0.2711, 0.2536



18.2646, 0.3155, 0.3081



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.



40.6514, 0.3212, 0.2694



57.9667, 0.3233, 0.2570



39.4521, 0.3473, 0.3014



11.9862, 0.3154, 0.3085



10.5644, 0.3499, 0.1701



0.5971, 0.3439, 0.1668

Inverse Universe

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



40.6514, 0.3212, 0.2694



57.9667, 0.3233, 0.2570



55.9525, 0.2875, 0.3585



11.9862, 0.3154, 0.3085



10.5644, 0.3499, 0.1701



0.5971, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 40.6496, 0.3212, 0.2694 looks on a white background.

Color Contrast Check

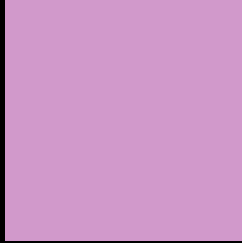
Large Text (above 18pt) WCAG AA × Fail

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 40.6496, 0.3212, 0.2694 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

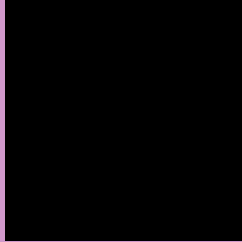
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.6496, 0.3212, 0.2694

Background



This preview shows how black text looks on a background with the Yxy color 40.6496, 0.3212, 0.2694.



This preview shows how white text looks on a background with the Yxy color 40.6496, 0.3212, 0.2694.

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

40.6496, 0.3212, 0.2694

Protanopia

40.7046, 0.2706, 0.2698

Deuteranopia

40.8062, 0.2920, 0.2857



Tritanopia

40.7157, 0.3465, 0.3140

Trichromacy



Original Color

40.6496, 0.3212, 0.2694

Protanomaly

40.3125, 0.2875, 0.2690

Deuteranomaly

40.6225, 0.3024, 0.2795

Tritanomaly

40.6547, 0.3364, 0.2969

Monochromacy



Original Color

40.6496, 0.3212, 0.2694

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

41.7050, 0.3156, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.6496, 0.3212, 0.2694 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(209, 153, 203)` looks like.

```
.text, #text, p{  
    color:rgb(209, 153, 203)  
}
```

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(209, 153, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 153, 203) }
```

Border

The CSS property to change the border of an element to Yxy 40.6496, 0.3212, 0.2694 is called "border". The border property can be set on classes, ids or directly on the HTML element.

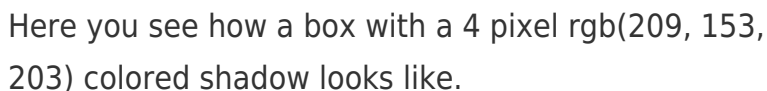
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 153, 203) }
```

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

```
.border{ border-color:rgb(209, 153, 203) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 153, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 153, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 153, 203);  
box-shadow:4px 4px 4px 4px rgb(209, 153,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 40.6496, 0.3212, 0.2694 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 153, 203) }
```

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

```
.background{ background-color: rgb(209,  
153, 203) }
```

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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