

Converting Colors

$Y_{xy}(52.2690, 0.3323, 0.2906)$

Have a look what the booklet for
Yxy(52.2690, 0.3323, 0.2906)
contains.

Yxy(52.3020, 0.3326, 0.2904)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(52.3020, 0.3326, 0.2904)

Conversions

Conversions Part 1

Format	Color
Hex	E7AFD2
RGB	231, 175, 210
RGB Percent	91%, 69%, 82%
CMY	0.0943, 0.3136, 0.1765
CMYK	0.00, 0.24, 0.09, 0.09
HSL	322°, 54%, 80%
HSV	322°, 24%, 91%
XYZ	59.9024, 52.3020, 67.8989
YIQ	195.7340, 22.1410, 22.7570

Conversions

Conversions Part 2

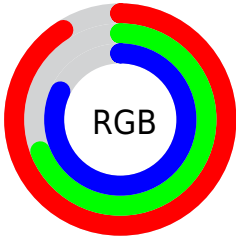
Format	Color
R _Y B	231, 175, 210
Decimal	15183826
CIE Lab	77.46, 25.84, -9.73
CIE LCh	77, 27.607, 339.364
Yxy	52.3020, 0.3326, 0.2904
Android (android.graphics.Color)	4293373906 (0xFFE7AFD2)
YUV	195.7340, 7.0331, 30.9283
Hunter-Lab	72.3201, 21.2904, -5.0413

Details

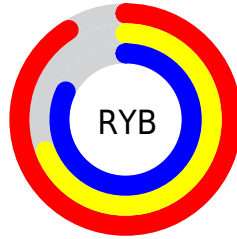
The Yxy color $52.3020, 0.3326, 0.2904$ is a light color, and the websafe version is hex `CC99CC`. A complement of this color would be $70.2234, 0.2970, 0.3711$, and the grayscale version is $54.9808, 0.3127, 0.3290$.

A 20% lighter version of the original color is $85.6318, 0.3138, 0.3058$, and $25.4333, 0.3374, 0.2800$ is the 20% darker color. If you saturate the color by 10%, you get $43.6482, 0.3434, 0.2739$, and if you desaturate by 10%, it is $62.5212, 0.3234, 0.3068$.

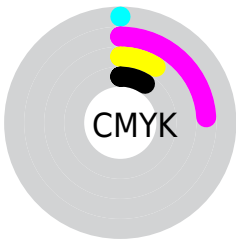
Distribution



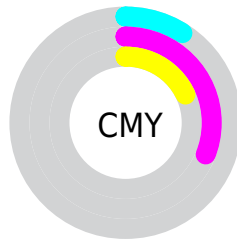
- Red (91%)
- Green (69%)
- Blue (82%)



- Red (91%)
- Yellow (69%)
- Blue (82%)



- Cyan (0%)
- Magenta (24%)
- Yellow (9%)
- Black (9%)





- Cyan (9%)
- Magenta (31%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.3020, 0.3326, 0.2904 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 52.3020, 0.3326, 0.2904 by changing the saturation by 10% instead.

 52.3020, 0.3326,
0.2904

 52.3020, 0.3326,
0.2904

395.6014, 0.3231,
0.3087

 37.2459, 0.3348,
0.2861


 93.5765, 0.3293,
0.2968

 25.3979, 0.3376,
0.2807


120.5636, 0.3280,
0.2993

 16.3738, 0.3412,
0.2738


152.2965, 0.3269,
0.3015

 9.7890, 0.3460,
0.2646

189.1595, 0.3259,
0.3033

 5.2593, 0.3527,
0.2518

231.5372, 0.3251,
0.3049

 2.4002, 0.3627,
0.2328

279.8138, 0.3244,

 0.8260, 0.3794,

0.3063

0.2014

334.3737, 0.3237,
0.3076

0.0000, 0.4928,
0.0000

0.0000, 0.0000,
0.0000

52.3020, 0.3326,
0.2904

52.3020, 0.3326,
0.2904

43.6482, 0.3434,
0.2739

62.5212, 0.3234,
0.3068

36.4743, 0.3559,
0.2578

74.3718, 0.3156,
0.3226

30.6971, 0.3701,
0.2432

87.9245, 0.3091,
0.3375

26.2223, 0.3857,
0.2311

95.0687, 0.3039,
0.3394

■ 22.9441, 0.4024,
0.2226

■ 95.6089, 0.2991,
0.3307

■ 20.7396, 0.4195,
0.2188

■ 95.7196, 0.2981,
0.3290

■ 19.4590, 0.4364,
0.2203

■ 19.0044, 0.4460,
0.2231

Harmonies

Analogous

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



52.3020, 0.2949, 0.2731



52.3020, 0.3326, 0.2904



52.3020, 0.3664, 0.3168

Triad

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



52.3020, 0.3326, 0.2904



52.3020, 0.3613, 0.3931



52.3020, 0.2453, 0.3039

Complementary

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



52.3020, 0.3326, 0.2904



70.2234, 0.2970, 0.3711

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.



52.3020, 0.2609, 0.3387



52.3020, 0.3326, 0.2904



52.3020, 0.3271, 0.3933

Square

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



52.3020, 0.3326, 0.2904



52.3020, 0.3830, 0.3751



52.3020, 0.2904, 0.3728



52.3020, 0.2464, 0.2790

Rectangle

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



52.3020, 0.3326, 0.2904



52.3020, 0.3811, 0.3369



52.3020, 0.2904, 0.3728



52.3020, 0.2487, 0.3148

Sweetspot

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



52.3043, 0.3326, 0.2904



88.7117, 0.3177, 0.3182



48.1120, 0.2870, 0.2635



18.7902, 0.3181, 0.3173



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.



52.3043, 0.3326, 0.2904



59.8894, 0.3377, 0.2822



51.0496, 0.3566, 0.3207



14.5188, 0.3195, 0.3144



10.6848, 0.4435, 0.2217



0.8074, 0.4208, 0.2092

Inverse Universe

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



52.3043, 0.3326, 0.2904



59.8894, 0.3377, 0.2822



71.5924, 0.2812, 0.3376



14.5188, 0.3195, 0.3144



10.6848, 0.4435, 0.2217



0.8074, 0.4208, 0.2092

Previews

White Background



This preview shows how the Yxy color 52.3020, 0.3326, 0.2904 looks on a white background.

Color Contrast Check

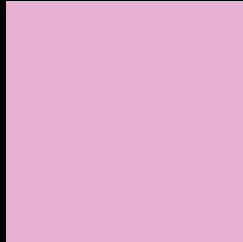
Large Text (above 18pt) WCAG AA × Fail

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 52.3020, 0.3326, 0.2904 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

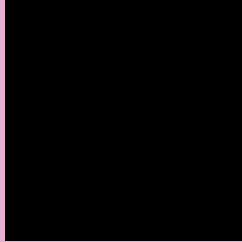
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.3020, 0.3326, 0.2904

Background



This preview shows how black text looks on a background with the Yxy color 52.3020, 0.3326, 0.2904.



This preview shows how white text looks on a background with the Yxy color 52.3020, 0.3326, 0.2904.

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

52.3020, 0.3326, 0.2904

Protanopia

52.5590, 0.2887, 0.2928

Deuteranopia

52.3684, 0.3098, 0.3029



Tritanopia

52.3046, 0.3459, 0.3133

Trichromacy



Original Color

52.3020, 0.3326, 0.2904

Protanomaly

52.3523, 0.3039, 0.2926

Deuteranomaly

52.2055, 0.3175, 0.2977

Tritanomaly

52.3908, 0.3409, 0.3044

Monochromacy



Original Color

52.3020, 0.3326, 0.2904

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

53.7388, 0.3200, 0.3137

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.3020, 0.3326, 0.2904 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(231, 175, 210)` looks like.

```
.text, #text, p{  
    color:rgb(231, 175, 210)  
}
```

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(231, 175, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 175, 210) }
```

Border

The CSS property to change the border of an element to Yxy 52.3020, 0.3326, 0.2904 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(231, 175, 210) }
```

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

```
.border{ border-color:rgb(231, 175, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 175, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 175, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 175, 210);  
box-shadow:4px 4px 4px 4px rgb(231, 175,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 52.3020, 0.3326, 0.2904 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 175, 210) }
```

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

```
.background{ background-color: rgb(231,  
175, 210) }
```

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