

Converting Colors

$Y_{xy}(56.0212, 0.3079, 0.3005)$

Have a look what the booklet for
Yxy(56.0212, 0.3079, 0.3005)
contains.

Yxy(56.2125, 0.3085, 0.3014)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.2125, 0.3085, 0.3014)

Conversions

Conversions Part 1

Format	Color
Hex	D1C0D8
RGB	209, 192, 216
RGB Percent	82%, 75%, 85%
CMY	0.1803, 0.2470, 0.1531
CMYK	0.03, 0.11, 0.00, 0.15
HSL	283°, 23%, 80%
HSV	283°, 11%, 85%
XYZ	57.5367, 56.2125, 72.7555
YIQ	199.8190, 2.4280, 11.0680

Conversions

Conversions Part 2

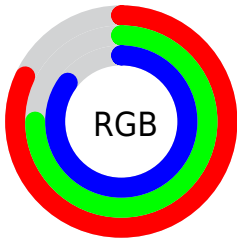
Format	Color
R _Y B	209, 192, 216
Decimal	13746392
CIE Lab	79.73, 10.32, -9.79
CIE LCh	80, 14.223, 316.501
Yxy	56.2125, 0.3085, 0.3014
Android (android.graphics.Color)	4291936472 (0xFFD1C0D8)
YUV	199.8190, 7.9772, 8.0517
Hunter-Lab	74.9750, 5.7767, -5.0523

Details

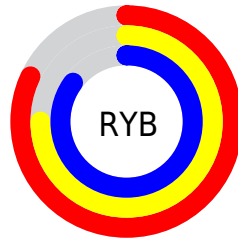
The Yxy color `56.2125, 0.3085, 0.3014` is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be `65.0333, 0.3165, 0.3573`, and the grayscale version is `57.5917, 0.3127, 0.3290`.

A 20% lighter version of the original color is `95.6148, 0.3130, 0.3223`, and `28.0070, 0.3079, 0.2955` is the 20% darker color. If you saturate the color by 10%, you get `46.5204, 0.3039, 0.2751`, and if you desaturate by 10%, it is `67.3369, 0.3123, 0.3264`.

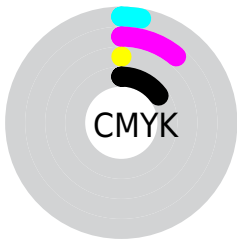
Distribution



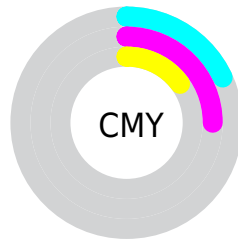
- Red (82%)
- Green (75%)
- Blue (85%)



- Red (82%)
- Yellow (75%)
- Blue (85%)



- Cyan (3%)
- Magenta (11%)
- Yellow (0%)
- Black (15%)





- Cyan (18%)
- Magenta (25%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.2125, 0.3085, 0.3014 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 56.2125, 0.3085, 0.3014 by changing the saturation by 10% instead.

 56.2125, 0.3085,
0.3014

 56.2125, 0.3085,
0.3014


410.4918, 0.3106,
0.3145

 40.3733, 0.3080,
0.2983


 99.3152, 0.3093,
0.3060

 27.8297, 0.3073,
0.2945


127.3475, 0.3096,
0.3078

 18.1974, 0.3063,
0.2895

160.2130, 0.3098,
0.3093

 11.0918, 0.3050,
0.2829

198.2961, 0.3100,
0.3106

 6.1286, 0.3031,
0.2736

241.9811, 0.3102,
0.3118

 2.9234, 0.2999,
0.2598

291.6525, 0.3104,

 1.0919, 0.2940,

0.3128

0.2369

347.6946, 0.3105,
0.3137

0.0000, 0.2555,
0.0000

0.0000, 0.0000,
0.0000

56.2125, 0.3085,
0.3014

56.2125, 0.3085,
0.3014

46.5204, 0.3039,
0.2751

67.3369, 0.3123,
0.3264

38.1926, 0.2985,
0.2479

79.9434, 0.3155,
0.3496

31.1662, 0.2924,
0.2207

92.9380, 0.3182,
0.3693

25.3708, 0.2855,
0.1944

93.9801, 0.3222,
0.3688

■ 20.7287, 0.2781,
0.1703

■ 95.0597, 0.3262,
0.3683

■ 17.1537, 0.2703,
0.1494

■ 96.1772, 0.3303,
0.3678

■ 14.5467, 0.2623,
0.1328

■ 97.3329, 0.3344,
0.3673

■ 12.7898, 0.2546,
0.1210

■ 97.7358, 0.3358,
0.3671

■ 11.7587, 0.2479,
0.1139

Harmonies

Analogous

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



56.2125, 0.2912, 0.2976



56.2125, 0.3085, 0.3014



56.2125, 0.3274, 0.3120

Triad

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



56.2125, 0.3085, 0.3014



56.2125, 0.3463, 0.3557



56.2125, 0.2836, 0.3300

Complementary

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



56.2125, 0.3085, 0.3014



65.0333, 0.3165, 0.3573

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.



56.2125, 0.2977, 0.3469



56.2125, 0.3085, 0.3014



56.2125, 0.3339, 0.3619

Square

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



56.2125, 0.3085, 0.3014



56.2125, 0.3496, 0.3428



56.2125, 0.3161, 0.3588



56.2125, 0.2772, 0.3134

Rectangle

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



56.2125, 0.3085, 0.3014



56.2125, 0.3382, 0.3217



56.2125, 0.3161, 0.3588



56.2125, 0.2876, 0.3359

Sweetspot

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



56.2149, 0.3085, 0.3014



94.7973, 0.3117, 0.3217



57.0986, 0.2955, 0.3090



20.0001, 0.3114, 0.3197



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.



56.2149, 0.3085, 0.3014



78.8645, 0.3076, 0.2962



57.0066, 0.3176, 0.3072



12.4434, 0.3092, 0.3057



7.0205, 0.2490, 0.1146



0.4648, 0.2619, 0.1216

Inverse Universe

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



56.4164, 0.3270, 0.3210



79.2188, 0.3299, 0.3195



64.3205, 0.3082, 0.3518



12.4795, 0.3246, 0.3223



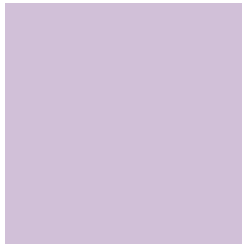
8.8676, 0.5783, 0.2960



0.5492, 0.5284, 0.2684

Previews

White Background



This preview shows how the Yxy color 56.2125, 0.3085, 0.3014 looks on a white background.

Color Contrast Check

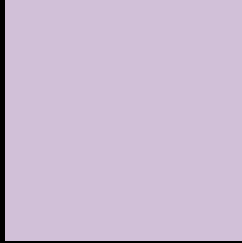
Large Text (above 18pt) WCAG AA × Fail

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 56.2125, 0.3085, 0.3014 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

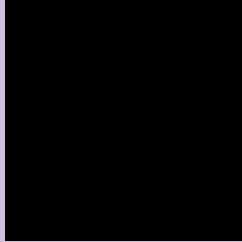
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.2125, 0.3085, 0.3014

Background



This preview shows how black text looks on a background with the Yxy color 56.2125, 0.3085, 0.3014.



This preview shows how white text looks on a background with the Yxy color 56.2125, 0.3085, 0.3014.

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

56.2125, 0.3085, 0.3014

Protanopia

56.1964, 0.2956, 0.3018

Deuteranopia

56.0670, 0.3077, 0.3013



Tritanopia

56.1039, 0.3135, 0.3115

Trichromacy



Original Color

56.2125, 0.3085, 0.3014

Protanomaly

56.3715, 0.3000, 0.3021

Deuteranomaly

56.0670, 0.3077, 0.3013

Tritanomaly

56.2530, 0.3113, 0.3081

Monochromacy



Original Color

56.2125, 0.3085, 0.3014

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.0852, 0.3109, 0.3184

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.2125, 0.3085, 0.3014 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, 192, 216)` looks like.

```
.text, #text, p{  
    color:rgb(209, 192, 216)  
}
```

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, 192, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(209, 192, 216) }
```

Border

The CSS property to change the border of an element to Yxy 56.2125, 0.3085, 0.3014 is called "border". The border property can be set on classes, ids or directly on the HTML element.

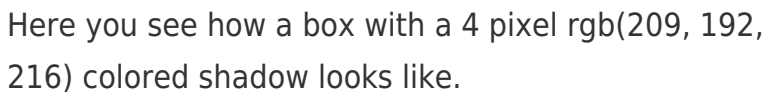
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(209, 192, 216) }
```

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

```
.border{ border-color:rgb(209, 192, 216) }
```

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



Here you see how a box with a 4 pixel `rgb(209, 192, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(209, 192, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(209, 192, 216);  
box-shadow:4px 4px 4px 4px rgb(209, 192,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 56.2125, 0.3085, 0.3014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(209, 192, 216) }
```

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

```
.background{ background-color: rgb(209,  
192, 216) }
```

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