

Converting Colors

$Y_{xy}(56.2137, 0.2914, 0.2981)$

Have a look what the booklet for
Yxy(56.2137, 0.2914, 0.2981)
contains.

Yxy(56.0912, 0.2920, 0.2983)	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(56.0912, 0.2920, 0.2983)

Conversions

Conversions Part 1

Format	Color
Hex	C1C4DE
RGB	193, 196, 222
RGB Percent	76%, 77%, 87%
CMY	0.2433, 0.2313, 0.1294
CMYK	0.13, 0.12, 0.00, 0.13
HSL	234°, 31%, 81%
HSV	234°, 13%, 87%
XYZ	54.9066, 56.0912, 77.0384
YIQ	198.0670, -10.1340, 7.4500

Conversions

Conversions Part 2

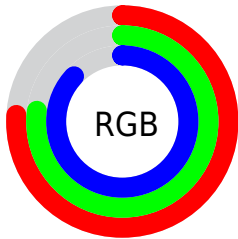
Format	Color
R _Y B	193, 196, 222
Decimal	12698846
CIE Lab	79.67, 4.07, -13.27
CIE LCh	80, 13.884, 287.038
Yxy	56.0912, 0.2920, 0.2983
Android (android.graphics.Color)	4290888926 (0xFFC1C4DE)
YUV	198.0670, 11.7990, -4.4438
Hunter-Lab	74.8941, -0.2021, -8.5618

Details

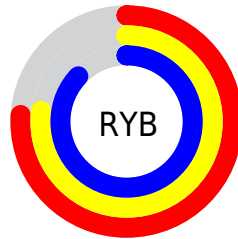
The Yxy color **56.0912, 0.2920, 0.2983** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **70.0021, 0.3327, 0.3580**, and the grayscale version is **56.4432, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7946, 0.3097, 0.3271**, and **27.6250, 0.2862, 0.2897** is the 20% darker color. If you saturate the color by 10%, you get **45.0202, 0.2742, 0.2714**, and if you desaturate by 10%, it is **68.7897, 0.3081, 0.3222**.

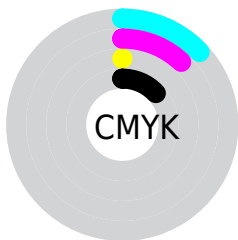
Distribution



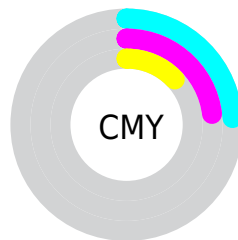
- Red (76%)
- Green (77%)
- Blue (87%)



- Red (76%)
- Yellow (77%)
- Blue (87%)



- Cyan (13%)
- Magenta (12%)
- Yellow (0%)
- Black (13%)



- Cyan (24%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.0912, 0.2920, 0.2983 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 56.0912, 0.2920, 0.2983 by changing the saturation by 10% instead.

■ 56.0912, 0.2920,
0.2983

■ 56.0912, 0.2920,
0.2983

410.0351, 0.3020,
0.3130

■ 40.2760, 0.2896,
0.2948

■ 99.1379, 0.2956,
0.3035

■ 27.7538, 0.2865,
0.2905

127.1383, 0.2969,
0.3055

■ 18.1402, 0.2826,
0.2849

159.9691, 0.2981,
0.3072

■ 11.0507, 0.2772,
0.2773

198.0149, 0.2991,
0.3087

■ 6.1009, 0.2696,
0.2668

241.6600, 0.3000,
0.3099

■ 2.9066, 0.2579,
0.2509

291.2888, 0.3008,

■ 1.0831, 0.2380,

0.3111

0.2247

347.2857, 0.3014,
0.3121

0.0000, 0.0674,
0.0000

0.0000, 0.0000,
0.0000

56.0912, 0.2920,
0.2983

56.0912, 0.2920,
0.2983

45.0202, 0.2742,
0.2714

68.7897, 0.3081,
0.3222

35.5042, 0.2548,
0.2416

83.1707, 0.3224,
0.3432

27.4754, 0.2345,
0.2098

98.0539, 0.3321,
0.3611

20.8582, 0.2140,
0.1769

■ 15.5705, 0.1945,
0.1449

■ 11.5216, 0.1775,
0.1157

■ 8.6092, 0.1642,
0.0916

■ 6.7142, 0.1554,
0.0742

■ 5.9058, 0.1518,
0.0664

Harmonies

Analogous

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



56.0912, 0.2808, 0.3023



56.0912, 0.2920, 0.2983



56.0912, 0.3089, 0.3021

Triad

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



56.0912, 0.2920, 0.2983



56.0912, 0.3488, 0.3428



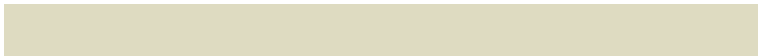
56.0912, 0.2977, 0.3462

Complementary

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



56.0912, 0.2920, 0.2983



70.0021, 0.3327, 0.3580

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.



56.0912, 0.3157, 0.3579



56.0912, 0.2920, 0.2983



56.0912, 0.3454, 0.3553

Square

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



56.0912, 0.2920, 0.2983



56.0912, 0.3421, 0.3273



56.0912, 0.3332, 0.3611



56.0912, 0.2841, 0.3297

Rectangle

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



56.0912, 0.2920, 0.2983



56.0912, 0.3214, 0.3085



56.0912, 0.3332, 0.3611



56.0912, 0.3035, 0.3509

Sweetspot

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



56.0935, 0.2920, 0.2983



92.4343, 0.3067, 0.3201



68.6666, 0.2949, 0.3329



19.4892, 0.3055, 0.3184



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.



56.0935, 0.2920, 0.2983



71.9566, 0.2868, 0.2904



56.2401, 0.3003, 0.2954



13.4754, 0.2981, 0.3074



3.5852, 0.1522, 0.0677



0.3284, 0.1573, 0.0863

Inverse Universe

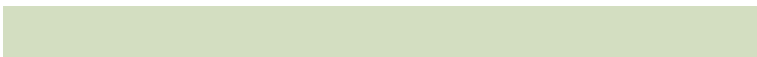
The Inverse Universe completely reimagines the original color for something new.



57.6328, 0.3341, 0.3256



74.5434, 0.3400, 0.3247



69.9186, 0.3240, 0.3621



13.7240, 0.3275, 0.3266



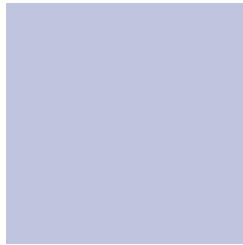
9.2700, 0.6271, 0.3228



0.6506, 0.5969, 0.3062

Previews

White Background



This preview shows how the Yxy color 56.0912, 0.2920, 0.2983 looks on a white background.

Color Contrast Check

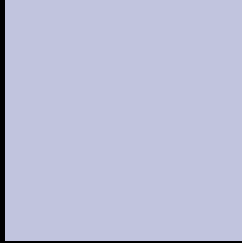
Large Text (above 18pt) WCAG AA × Fail

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 56.0912, 0.2920, 0.2983 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

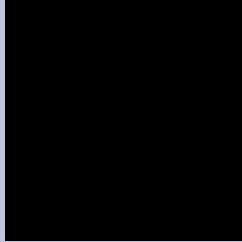
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.0912, 0.2920, 0.2983

Background



This preview shows how black text looks on a background with the Yxy color 56.0912, 0.2920, 0.2983.



This preview shows how white text looks on a background with the Yxy color 56.0912, 0.2920, 0.2983.

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

56.0912, 0.2920, 0.2983

Protanopia

56.2231, 0.2928, 0.2983

Deuteranopia

56.0061, 0.3003, 0.2933



Tritanopia

55.8130, 0.2967, 0.3098

Trichromacy



Original Color

56.0912, 0.2920, 0.2983

Protanomaly

56.2231, 0.2928, 0.2983

Deuteranomaly

55.8851, 0.2973, 0.2942

Tritanomaly

56.0968, 0.2954, 0.3063

Monochromacy



Original Color

56.0912, 0.2920, 0.2983

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.1733, 0.3047, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.0912, 0.2920, 0.2983 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(193, 196, 222)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 222)  
}
```

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(193, 196, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 222) }
```

Border

The CSS property to change the border of an element to Yxy 56.0912, 0.2920, 0.2983 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(193, 196, 222) }
```

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

```
.border{ border-color:rgb(193, 196, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 196, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 196, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 196, 222); box-shadow:4px 4px 4px 4px rgb(193, 196, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 56.0912, 0.2920, 0.2983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 196, 222) }
```

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

```
.background{ background-color: rgb(193,  
196, 222) }
```

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