

Converting Colors

$Y_{xy}(57.2095, 0.2815, 0.2806)$

Have a look what the booklet for
Yxy(57.2095, 0.2815, 0.2806)
contains.

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Color

Yxy(56.9904, 0.2816, 0.2807)

Conversions

Conversions Part 1

Format	Color
Hex	C1C4EE
RGB	193, 196, 238
RGB Percent	76%, 77%, 93%
CMY	0.2429, 0.2314, 0.0667
CMYK	0.19, 0.18, 0.00, 0.07
HSL	236°, 57%, 85%
HSV	236°, 19%, 93%
XYZ	57.1731, 56.9904, 88.8660
YIQ	199.8910, -15.2700, 12.4260

Conversions

Conversions Part 2

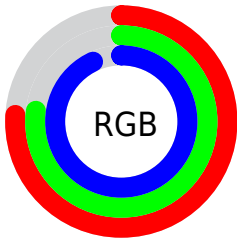
Format	Color
R _{YB}	193, 196, 238
Decimal	12698862
CIE Lab	80.17, 7.53, -21.09
CIE LCh	80, 22.392, 289.649
Yxy	56.9904, 0.2816, 0.2807
Android (android.graphics.Color)	4290888942 (0xFFC1C4EE)
YUV	199.8910, 18.7877, -6.0434
Hunter-Lab	75.4920, 3.0743, -16.9493

Details

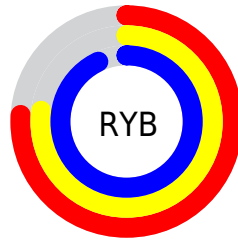
The Yxy color **56.9904, 0.2816, 0.2807** is a light color, and the websafe version is hex **CCCCFF**. A complement of this color would be **81.4739, 0.3417, 0.3731**, and the grayscale version is **57.5831, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7946, 0.3097, 0.3271**, and **28.2124, 0.2735, 0.2683** is the 20% darker color. If you saturate the color by 10%, you get **44.8104, 0.2625, 0.2506**, and if you desaturate by 10%, it is **71.1659, 0.2989, 0.3077**.

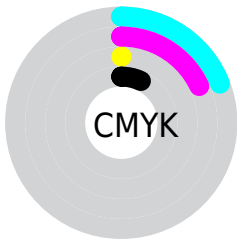
Distribution



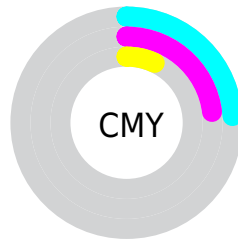
- Red (76%)
- Green (77%)
- Blue (93%)



- Red (76%)
- Yellow (77%)
- Blue (93%)



- Cyan (19%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)



- Cyan (24%)
- Magenta (23%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9904, 0.2816, 0.2807 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 56.9904, 0.2816, 0.2807 by changing the saturation by 10% instead.

■ 56.9904, 0.2816,
0.2807

■ 56.9904, 0.2816,
0.2807

■ 413.4133, 0.2966,
0.3035

■ 40.9975, 0.2780,
0.2754

■ 100.4512, 0.2869,
0.2887

■ 28.3172, 0.2735,
0.2689

■ 128.6879, 0.2890,
0.2917

■ 18.5649, 0.2677,
0.2605

■ 161.7747, 0.2907,
0.2944

■ 11.3563, 0.2600,
0.2495

■ 200.0959, 0.2922,
0.2967

■ 6.3070, 0.2491,
0.2344

■ 244.0360, 0.2935,
0.2987

■ 3.0327, 0.2328,
0.2126

■ 293.9793, 0.2947,

■ 1.1488, 0.2063,

0.3005

0.1788

350.3103, 0.2957,
0.3020

0.0193, 0.1111,
0.0106

0.0000, 0.0000,
0.0000

56.9904, 0.2816,
0.2807

56.9904, 0.2816,
0.2807

44.8104, 0.2625,
0.2506

71.1659, 0.2989,
0.3077

34.5296, 0.2420,
0.2180

87.4136, 0.3143,
0.3315

26.0544, 0.2210,
0.1840

98.9524, 0.3226,
0.3454

19.2803, 0.2005,
0.1503

■ 14.0922, 0.1820,
0.1194

■ 10.3605, 0.1671,
0.0935

■ 7.9352, 0.1568,
0.0748

■ 6.6236, 0.1513,
0.0639

■ 6.5299, 0.1509,
0.0631

Harmonies

Analogous

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



56.9904, 0.2633, 0.2852



56.9904, 0.2816, 0.2807



56.9904, 0.3089, 0.2879

Triad

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



56.9904, 0.2816, 0.2807



56.9904, 0.3711, 0.3521



56.9904, 0.2863, 0.3548

Complementary

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



56.9904, 0.2816, 0.2807



81.4739, 0.3417, 0.3731

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.



56.9904, 0.3144, 0.3752



56.9904, 0.2816, 0.2807



56.9904, 0.3639, 0.3720

Square

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



56.9904, 0.2816, 0.2807



56.9904, 0.3616, 0.3279



56.9904, 0.3429, 0.3812



56.9904, 0.2659, 0.3272

Rectangle

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



56.9904, 0.2816, 0.2807



56.9904, 0.3289, 0.2983



56.9904, 0.3429, 0.3812



56.9904, 0.2951, 0.3629

Sweetspot

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



56.9927, 0.2816, 0.2807



88.4260, 0.3035, 0.3148



78.4847, 0.2860, 0.3322



18.6687, 0.3025, 0.3132



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.



56.9927, 0.2816, 0.2807



60.3964, 0.2738, 0.2684



58.4114, 0.2956, 0.2793



15.3945, 0.2979, 0.3062



3.7069, 0.1512, 0.0641



0.3661, 0.1541, 0.0746

Inverse Universe

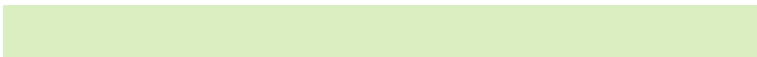
The Inverse Universe completely reimagines the original color for something new.



60.3240, 0.3474, 0.3259



65.0767, 0.3573, 0.3252



79.9803, 0.3275, 0.3781



15.7756, 0.3283, 0.3275



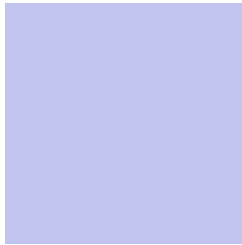
10.1676, 0.6331, 0.3261



0.8517, 0.6157, 0.3165

Previews

White Background



This preview shows how the Yxy color 56.9904, 0.2816, 0.2807 looks on a white background.

Color Contrast Check

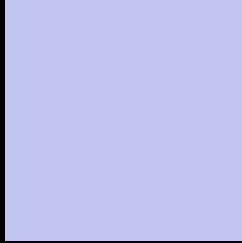
Large Text (above 18pt) WCAG AA × Fail

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 56.9904, 0.2816, 0.2807 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

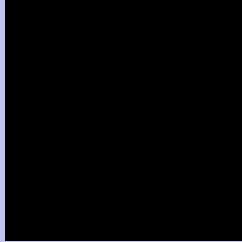
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 56.9904, 0.2816, 0.2807

Background



This preview shows how black text looks on a background with the Yxy color 56.9904, 0.2816, 0.2807.



This preview shows how white text looks on a background with the Yxy color 56.9904, 0.2816, 0.2807.

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

56.9904, 0.2816, 0.2807

Protanopia

57.1116, 0.2789, 0.2805

Deuteranopia

56.7624, 0.2850, 0.2788



Tritanopia

57.0852, 0.2933, 0.3098

Trichromacy



Original Color

56.9904, 0.2816, 0.2807

Protanomaly

57.2409, 0.2796, 0.2806

Deuteranomaly

56.9390, 0.2836, 0.2798

Tritanomaly

57.1758, 0.2886, 0.2994

Monochromacy



Original Color

56.9904, 0.2816, 0.2807

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

57.5722, 0.3005, 0.3113

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9904, 0.2816, 0.2807 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, 238)` looks like.

```
.text, #text, p{  
    color:rgb(193, 196, 238)  
}
```

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, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 196, 238) }
```

Border

The CSS property to change the border of an element to Yxy 56.9904, 0.2816, 0.2807 is called "border". The border property can be set on classes, ids or directly on the HTML element.

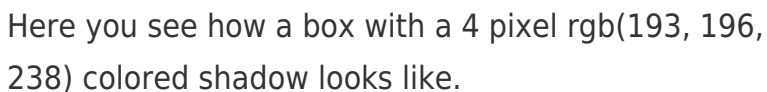
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(193, 196, 238) }
```

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

```
.border{ border-color:rgb(193, 196, 238) }
```

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, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(193, 196, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(193, 196, 238); box-shadow:4px 4px 4px 4px rgb(193, 196, 238) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9904, 0.2816, 0.2807 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, 238) }
```

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

```
.background{ background-color: rgb(193,  
196, 238) }
```

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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