

Converting Colors

$Y_{xy}(56.9696, 0.2986, 0.3217)$

Have a look what the booklet for
Yxy(56.9696, 0.2986, 0.3217)
contains.

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Color

Yxy(56.9696, 0.2986, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	BCC9CF
RGB	188, 201, 207
RGB Percent	74%, 79%, 81%
CMY	0.2629, 0.2117, 0.1882
CMYK	0.09, 0.03, 0.00, 0.19
HSL	199°, 17%, 77%
HSV	199°, 9%, 81%
XYZ	52.8788, 56.9696, 67.2408
YIQ	197.7970, -9.6740, -0.8900

Conversions

Conversions Part 2

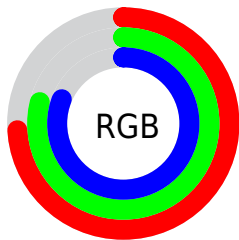
Format	Color
R _Y B	188, 196, 207
Decimal	12372431
CIE Lab	80.16, -3.26, -4.52
CIE LCh	80, 5.574, 234.157
Yxy	56.9696, 0.2986, 0.3217
Android (android.graphics.Color)	4290562511 (0xFFBCC9CF)
YUV	197.7970, 4.5371, -8.5920
Hunter-Lab	75.4782, -7.0326, 0.0155

Details

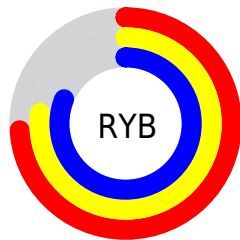
The Yxy color $56.9696, 0.2986, 0.3217$ is a light color, and the websafe version is hex `CCCCCC`. A complement of this color would be $55.4485, 0.3279, 0.3362$, and the grayscale version is $56.3154, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.9731, 0.3060, 0.3290$, and $28.3182, 0.2950, 0.3192$ is the 20% darker color. If you saturate the color by 10%, you get $51.5620, 0.2832, 0.3130$, and if you desaturate by 10%, it is $62.8873, 0.3139, 0.3296$.

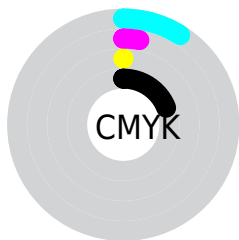
Distribution



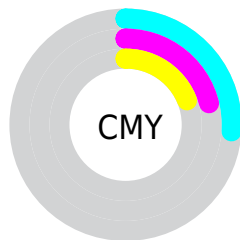
- Red (74%)
- Green (79%)
- Blue (81%)



- Red (74%)
- Yellow (77%)
- Blue (81%)



- Cyan (9%)
- Magenta (3%)
- Yellow (0%)
- Black (19%)



- Cyan (26%)
- Magenta (21%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.9696, 0.2986, 0.3217 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 56.9696, 0.2986, 0.3217 by changing the saturation by 10% instead.

■ 56.9696, 0.2986,
0.3217

■ 56.9696, 0.2986,
0.3217

413.3354, 0.3054,
0.3253

■ 40.9808, 0.2970,
0.3208

■ 100.4208, 0.3010,
0.3230

■ 28.3041, 0.2949,
0.3197

128.6521, 0.3019,
0.3235

■ 18.5550, 0.2923,
0.3183

161.7330, 0.3027,
0.3239

■ 11.3492, 0.2887,
0.3164

200.0478, 0.3034,
0.3242

■ 6.3022, 0.2836,
0.3135

243.9811, 0.3040,
0.3245

■ 3.0297, 0.2757,
0.3091

293.9172, 0.3045,

■ 1.1473, 0.2621,

0.3248

0.3012

350.2405, 0.3050,
0.3251

0.0180, 0.0000,
0.0509

0.0000, 0.0000,
0.0000

56.9696, 0.2986,
0.3217

56.9696, 0.2986,
0.3217

51.5620, 0.2832,
0.3130

62.8873, 0.3139,
0.3296

46.6398, 0.2681,
0.3034

69.3245, 0.3290,
0.3367

42.1867, 0.2534,
0.2931

76.2994, 0.3436,
0.3430

38.1825, 0.2397,
0.2822

80.7160, 0.3461,
0.3493

■ 34.6054, 0.2273,
0.2707

■ 84.3403, 0.3449,
0.3557

■ 31.4312, 0.2164,
0.2588

■ 88.1004, 0.3438,
0.3620

■ 28.6324, 0.2075,
0.2469

■ 91.9977, 0.3426,
0.3681

■ 26.1772, 0.2006,
0.2349

■ 96.0335, 0.3415,
0.3742

■ 24.0129, 0.1955,
0.2232

■ 97.2851, 0.3412,
0.3760

Harmonies

Analogous

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



56.9696, 0.3003, 0.3278



56.9696, 0.2986, 0.3217



56.9696, 0.3007, 0.3176

Triad

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



56.9696, 0.2986, 0.3217



56.9696, 0.3202, 0.3237



56.9696, 0.3194, 0.3417

Complementary

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



56.9696, 0.2986, 0.3217



55.4485, 0.3279, 0.3362

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.



56.9696, 0.3249, 0.3404



56.9696, 0.2986, 0.3217



56.9696, 0.3253, 0.3300

Square

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



56.9696, 0.2986, 0.3217



56.9696, 0.3131, 0.3188



56.9696, 0.3271, 0.3361



56.9696, 0.3122, 0.3395

Rectangle

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



56.9696, 0.2986, 0.3217



56.9696, 0.3039, 0.3166



56.9696, 0.3271, 0.3361



56.9696, 0.3215, 0.3417

Sweetspot

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



56.9720, 0.2986, 0.3217



97.0545, 0.3081, 0.3267



59.1915, 0.3077, 0.3453



20.6079, 0.3068, 0.3260



0.0000, 0.0000, 0.0000



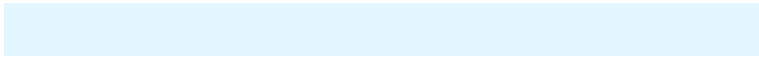
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



56.9720, 0.2986, 0.3217



89.5702, 0.2956, 0.3201



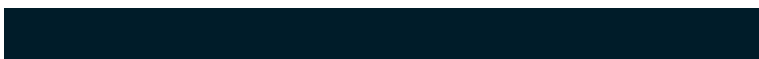
52.7845, 0.2985, 0.3103



12.7546, 0.2983, 0.3215



15.2010, 0.1955, 0.2239



0.9885, 0.2015, 0.2454

Inverse Universe

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



53.4289, 0.3184, 0.3135



82.8363, 0.3197, 0.3102



59.6966, 0.3268, 0.3471



11.9432, 0.3185, 0.3132



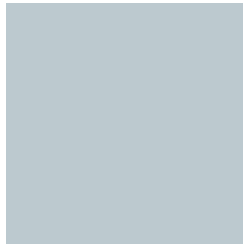
9.6058, 0.4191, 0.2082



0.5511, 0.3968, 0.1960

Previews

White Background



This preview shows how the Yxy color 56.9696, 0.2986, 0.3217 looks on a white background.

Color Contrast Check

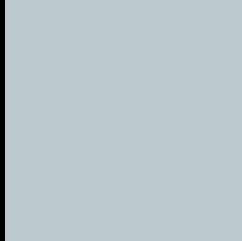
Large Text (above 18pt) WCAG AA × Fail

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 56.9696, 0.2986, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

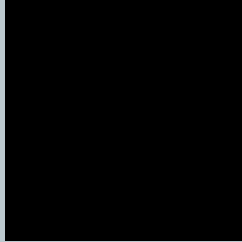
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

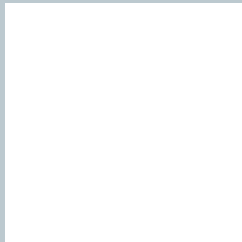
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.9696, 0.2986, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 56.9696, 0.2986, 0.3217.



This preview shows how white text looks on a background with the Yxy color 56.9696, 0.2986, 0.3217.

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

56.9696, 0.2986, 0.3217

Protanopia

56.6196, 0.3092, 0.3195

Deuteranopia

56.8895, 0.3168, 0.3106



Tritanopia

57.0852, 0.2933, 0.3098

Trichromacy



Original Color

56.9696, 0.2986, 0.3217

Protanomaly

56.5802, 0.3054, 0.3194

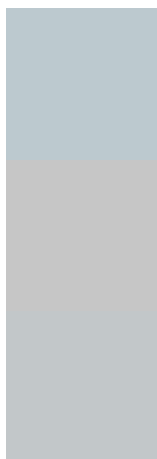
Deuteranomaly

56.8713, 0.3102, 0.3149

Tritanomaly

56.9315, 0.2953, 0.3133

Monochromacy



Original Color

56.9696, 0.2986, 0.3217

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.5332, 0.3074, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.9696, 0.2986, 0.3217 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(188, 201, 207)` looks like.

```
.text, #text, p{  
    color:rgb(188, 201, 207)  
}
```

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(188, 201, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 201, 207) }
```

Border

The CSS property to change the border of an element to Yxy 56.9696, 0.2986, 0.3217 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(188, 201, 207) }
```

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

```
.border{ border-color:rgb(188, 201, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 201, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 201, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 201, 207);  
box-shadow:4px 4px 4px 4px rgb(188, 201,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 56.9696, 0.2986, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 201, 207) }
```

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

```
.background{ background-color: rgb(188,  
201, 207) }
```

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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