

Converting Colors

$Yxy(56.6245, 0.3007, 0.3113)$

Have a look what the booklet for
Yxy(56.6245, 0.3007, 0.3113)
contains.

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Color

Yxy(56.4217, 0.3012, 0.3111)

Conversions

Conversions Part 1

Format	Color
Hex	C4C5D4
RGB	196, 197, 212
RGB Percent	77%, 77%, 83%
CMY	0.2312, 0.2275, 0.1685
CMYK	0.08, 0.07, 0.00, 0.17
HSL	236°, 16%, 80%
HSV	236°, 8%, 83%
XYZ	54.6262, 56.4217, 70.3140
YIQ	198.4110, -5.4110, 4.4530

Conversions

Conversions Part 2

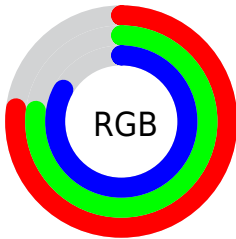
Format	Color
R _{YB}	196, 197, 212
Decimal	12895700
CIE Lab	79.85, 2.55, -7.61
CIE LCh	80, 8.024, 288.531
Yxy	56.4217, 0.3012, 0.3111
Android (android.graphics.Color)	4291085780 (0xFFC4C5D4)
YUV	198.4110, 6.6994, -2.1144
Hunter-Lab	75.1144, -1.6377, -2.9209

Details

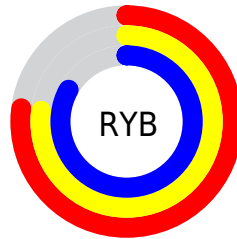
The Yxy color **56.4217, 0.3012, 0.3111** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **64.6191, 0.3239, 0.3463**, and the grayscale version is **56.7017, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9863, 0.3115, 0.3280**, and **27.8300, 0.2983, 0.3067** is the 20% darker color. If you saturate the color by 10%, you get **45.3081, 0.2842, 0.2845**, and if you desaturate by 10%, it is **69.1415, 0.3162, 0.3345**.

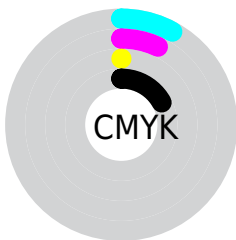
Distribution



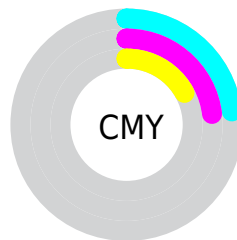
- Red (77%)
- Green (77%)
- Blue (83%)



- Red (77%)
- Yellow (77%)
- Blue (83%)



- Cyan (8%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)



- Cyan (23%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 56.4217, 0.3012, 0.3111 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 56.4217, 0.3012, 0.3111 by changing the saturation by 10% instead.

■ 56.4217, 0.3012,
0.3111

■ 56.4217, 0.3012,
0.3111

411.2788, 0.3068,
0.3197

■ 40.5411, 0.2999,
0.3090

■ 99.6209, 0.3032,
0.3142

■ 27.9607, 0.2982,
0.3065

127.7083, 0.3040,
0.3153

■ 18.2960, 0.2959,
0.3031

160.6334, 0.3046,
0.3163

■ 11.1627, 0.2929,
0.2986

198.7807, 0.3052,
0.3172

■ 6.1764, 0.2886,
0.2922

242.5344, 0.3056,
0.3179

■ 2.9526, 0.2820,
0.2824

292.2791, 0.3061,

■ 1.1071, 0.2702,

0.3186

0.2657

348.3991, 0.3064,
0.3192

0.0000, 0.0834,
0.0000

0.0000, 0.0000,
0.0000

56.4217, 0.3012,
0.3111

56.4217, 0.3012,
0.3111

45.3081, 0.2842,
0.2845

69.1415, 0.3162,
0.3345

35.7300, 0.2655,
0.2549

83.5202, 0.3294,
0.3548

27.6219, 0.2453,
0.2226

97.5347, 0.3381,
0.3710

20.9112, 0.2243,
0.1887

■ 15.5187, 0.2037,
0.1550

■ 11.3575, 0.1849,
0.1235

■ 8.3302, 0.1693,
0.0968

■ 6.3247, 0.1582,
0.0770

■ 5.2015, 0.1519,
0.0650

Harmonies

Analogous

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



56.4217, 0.2944, 0.3134



56.4217, 0.3012, 0.3111



56.4217, 0.3112, 0.3135

Triad

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



56.4217, 0.3012, 0.3111



56.4217, 0.3334, 0.3376



56.4217, 0.3036, 0.3384

Complementary

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



56.4217, 0.3012, 0.3111



64.6191, 0.3239, 0.3463

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.



56.4217, 0.3140, 0.3452



56.4217, 0.3012, 0.3111



56.4217, 0.3313, 0.3446

Square

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



56.4217, 0.3012, 0.3111



56.4217, 0.3299, 0.3286



56.4217, 0.3241, 0.3474



56.4217, 0.2958, 0.3291

Rectangle

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



56.4217, 0.3012, 0.3111



56.4217, 0.3183, 0.3174



56.4217, 0.3241, 0.3474



56.4217, 0.3069, 0.3411

Sweetspot

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



56.4241, 0.3012, 0.3111



96.0211, 0.3097, 0.3244



63.5426, 0.3018, 0.3302



20.5942, 0.3099, 0.3246



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.



56.4241, 0.3012, 0.3111



82.8887, 0.2987, 0.3072



56.9489, 0.3065, 0.3103



12.1247, 0.2981, 0.3063



3.1527, 0.1511, 0.0640



0.2324, 0.1546, 0.0764

Inverse Universe

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



57.5331, 0.3248, 0.3279



84.9075, 0.3276, 0.3277



64.0805, 0.3186, 0.3476



12.4325, 0.3282, 0.3277



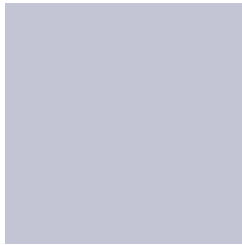
8.6631, 0.6333, 0.3262



0.5268, 0.6128, 0.3149

Previews

White Background



This preview shows how the Yxy color 56.4217, 0.3012, 0.3111 looks on a white background.

Color Contrast Check

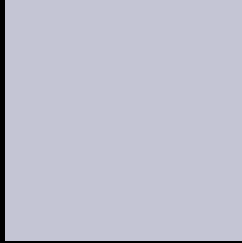
Large Text (above 18pt) WCAG AA × Fail

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 56.4217, 0.3012, 0.3111 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

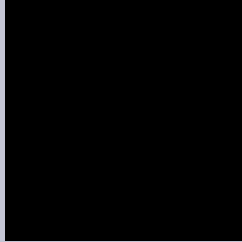
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

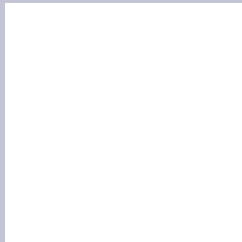
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.4217, 0.3012, 0.3111

Background



This preview shows how black text looks on a background with the Yxy color 56.4217, 0.3012, 0.3111.

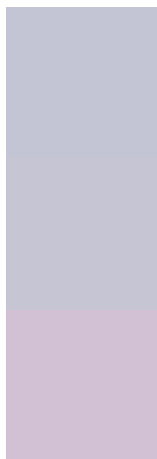


This preview shows how white text looks on a background with the Yxy color 56.4217, 0.3012, 0.3111.

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

56.4217, 0.3012, 0.3111

Protanopia

56.5563, 0.3019, 0.3112

Deuteranopia

56.2050, 0.3115, 0.3048



Tritanopia

56.4217, 0.3012, 0.3111

Trichromacy



Original Color

56.4217, 0.3012, 0.3111

Protanomaly

56.5563, 0.3019, 0.3112

Deuteranomaly

56.3668, 0.3075, 0.3068

Tritanomaly

56.4217, 0.3012, 0.3111

Monochromacy



Original Color

56.4217, 0.3012, 0.3111

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.5703, 0.3083, 0.3230

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.4217, 0.3012, 0.3111 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(196, 197, 212)` looks like.

```
.text, #text, p{  
    color:rgb(196, 197, 212)  
}
```

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(196, 197, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 197, 212) }
```

Border

The CSS property to change the border of an element to Yxy 56.4217, 0.3012, 0.3111 is called "border". The border property can be set on classes, ids or directly on the HTML element.

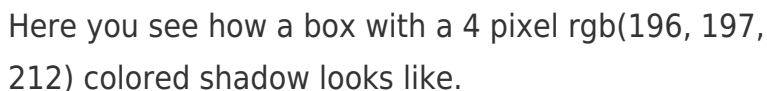
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(196, 197, 212) }
```

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

```
.border{ border-color:rgb(196, 197, 212) }
```

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



Here you see how a box with a 4 pixel `rgb(196, 197, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 197, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 197, 212);  
box-shadow:4px 4px 4px 4px rgb(196, 197,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 56.4217, 0.3012, 0.3111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 197, 212) }
```

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

```
.background{ background-color: rgb(196,  
197, 212) }
```

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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