

Converting Colors

$Y_{xy}(58.8571, 0.2889, 0.3087)$

Have a look what the booklet for
Yxy(58.8571, 0.2889, 0.3087)
contains.

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Color

Yxy(58.9710, 0.2887, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	BBCCDD
RGB	187, 204, 221
RGB Percent	73%, 80%, 87%
CMY	0.2667, 0.2000, 0.1334
CMYK	0.15, 0.08, 0.00, 0.13
HSL	210°, 33%, 80%
HSV	210°, 15%, 87%
XYZ	55.1325, 58.9710, 76.8647
YIQ	200.8550, -15.5890, 1.6830

Conversions

Conversions Part 2

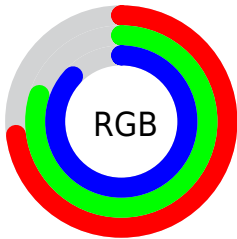
Format	Color
RYB	187, 198, 221
Decimal	12307677
CIELab	81.28, -2.30, -10.36
CIElCh	81, 10.617, 257.485
Yxy	58.9710, 0.2887, 0.3088
Android (android.graphics.Color)	4290497757 (0xFFBCCDD)
YUV	200.8550, 9.9315, -12.1508
Hunter-Lab	76.7926, -6.2345, -5.5909

Details

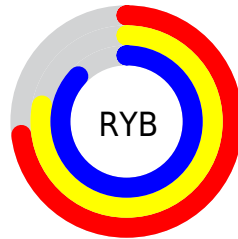
The Yxy color **58.9710, 0.2887, 0.3088** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **62.1197, 0.3385, 0.3484**, and the grayscale version is **58.2584, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7947, 0.3054, 0.3290**, and **29.6342, 0.2830, 0.3036** is the 20% darker color. If you saturate the color by 10%, you get **51.3381, 0.2725, 0.2938**, and if you desaturate by 10%, it is **67.4090, 0.3045, 0.3223**.

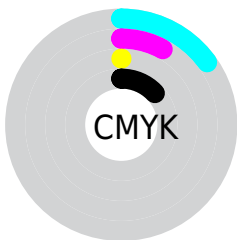
Distribution



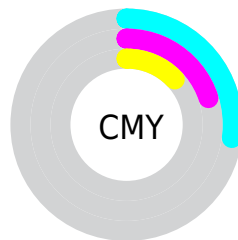
- Red (73%)
- Green (80%)
- Blue (87%)



- Red (73%)
- Yellow (78%)
- Blue (87%)



- Cyan (15%)
- Magenta (8%)
- Yellow (0%)
- Black (13%)



- Cyan (27%)
- Magenta (20%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 58.9710, 0.2887, 0.3088 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 58.9710, 0.2887, 0.3088 by changing the saturation by 10% instead.

■ 58.9710, 0.2887,
0.3088

■ 58.9710, 0.2887,
0.3088

420.7944, 0.3002,
0.3185

■ 42.5898, 0.2860,
0.3065

■ 103.3355, 0.2928,
0.3123

■ 29.5634, 0.2826,
0.3036

132.0876, 0.2943,
0.3136

■ 19.5074, 0.2782,
0.2998

165.7321, 0.2956,
0.3147

■ 12.0375, 0.2724,
0.2947

204.6534, 0.2968,
0.3157

■ 6.7692, 0.2641,
0.2875

249.2359, 0.2978,
0.3165

■ 3.3182, 0.2518,
0.2766

299.8639, 0.2987,

■ 1.3000, 0.2312,

0.3173

0.2581

356.9220, 0.2995,
0.3179

0.1412, 0.0711,
0.1287

0.0000, 0.0000,
0.0000

58.9710, 0.2887,
0.3088

58.9710, 0.2887,
0.3088

51.3381, 0.2725,
0.2938

67.4090, 0.3045,
0.3223

44.4758, 0.2561,
0.2774

76.6705, 0.3196,
0.3344

38.3576, 0.2399,
0.2597

86.7823, 0.3339,
0.3451

32.9524, 0.2244,
0.2409

93.6954, 0.3337,
0.3557

■ 28.2264, 0.2102,
0.2215

■ 97.9991, 0.3328,
0.3621

■ 24.1422, 0.1978,
0.2019

■ 20.6576, 0.1875,
0.1826

■ 17.7221, 0.1797,
0.1642

■ 16.5161, 0.1767,
0.1561

Harmonies

Analogous

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



58.9710, 0.2864, 0.3174



58.9710, 0.2887, 0.3088



58.9710, 0.2973, 0.3058

Triad

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



58.9710, 0.2887, 0.3088



58.9710, 0.3349, 0.3280



58.9710, 0.3148, 0.3505

Complementary

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



58.9710, 0.2887, 0.3088



62.1197, 0.3385, 0.3484

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.



58.9710, 0.3280, 0.3531



58.9710, 0.2887, 0.3088



58.9710, 0.3398, 0.3397

Square

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



58.9710, 0.2887, 0.3088



58.9710, 0.3240, 0.3168



58.9710, 0.3372, 0.3490



58.9710, 0.3013, 0.3417

Rectangle

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



58.9710, 0.2887, 0.3088



58.9710, 0.3056, 0.3071



58.9710, 0.3372, 0.3490



58.9710, 0.3194, 0.3521

Sweetspot

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



58.9734, 0.2887, 0.3088



93.6678, 0.3050, 0.3228



66.5948, 0.3003, 0.3498



19.8633, 0.3039, 0.3219



0.0000, 0.0000, 0.0000



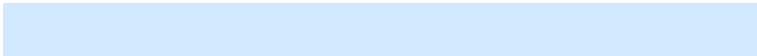
21.4041, 0.3127, 0.3290

Same Dimension

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



58.9734, 0.2887, 0.3088



78.5527, 0.2842, 0.3048



51.5600, 0.2879, 0.2887



13.6893, 0.2982, 0.3170



9.8237, 0.1775, 0.1588



0.8088, 0.1857, 0.1883

Inverse Universe

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



55.2648, 0.3277, 0.3097



72.7412, 0.3309, 0.3060



70.3566, 0.3358, 0.3664



13.1598, 0.3214, 0.3173



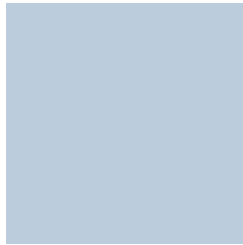
9.6155, 0.4946, 0.2498



0.6403, 0.4587, 0.2301

Previews

White Background



This preview shows how the Yxy color 58.9710, 0.2887, 0.3088 looks on a white background.

Color Contrast Check

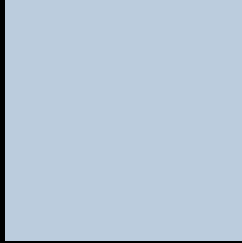
Large Text (above 18pt) WCAG AA × Fail

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 58.9710, 0.2887, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

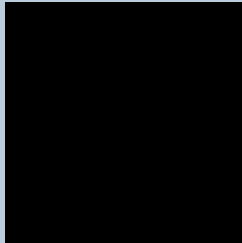
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

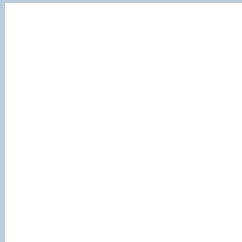
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.9710, 0.2887, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 58.9710, 0.2887, 0.3088.



This preview shows how white text looks on a background with the Yxy color 58.9710, 0.2887, 0.3088.

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

58.9710, 0.2887, 0.3088

Protanopia

58.7024, 0.2993, 0.3069

Deuteranopia

58.8046, 0.3056, 0.2985



Tritanopia

58.9178, 0.2893, 0.3099

Trichromacy



Original Color

58.9710, 0.2887, 0.3088

Protanomaly

58.5427, 0.2950, 0.3067

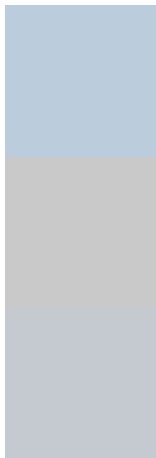
Deuteranomaly

58.8173, 0.2995, 0.3025

Tritanomaly

58.9178, 0.2893, 0.3099

Monochromacy



Original Color

58.9710, 0.2887, 0.3088

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

58.5309, 0.3039, 0.3218

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.9710, 0.2887, 0.3088 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(187, 204, 221)` looks like.

```
.text, #text, p{  
    color:rgb(187, 204, 221)  
}
```

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(187, 204, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 204, 221) }
```

Border

The CSS property to change the border of an element to Yxy 58.9710, 0.2887, 0.3088 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(187, 204, 221) }
```

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

```
.border{ border-color:rgb(187, 204, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 204, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 204, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 204, 221);  
box-shadow:4px 4px 4px 4px rgb(187, 204,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 58.9710, 0.2887, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 204, 221) }
```

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

```
.background{ background-color: rgb(187,  
204, 221) }
```

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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