

Converting Colors

$Yxy(63.4285, 0.2817, 0.3080)$

Have a look what the booklet for
Yxy(63.4285, 0.2817, 0.3080)
contains.

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Color

Yxy(63.6723, 0.2817, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	B9D5E7
RGB	185, 213, 231
RGB Percent	73%, 84%, 91%
CMY	0.2743, 0.1647, 0.0941
CMYK	0.20, 0.08, 0.00, 0.09
HSL	204°, 49%, 82%
HSV	204°, 20%, 91%
XYZ	58.2353, 63.6723, 84.8206
YIQ	206.6800, -22.4660, -0.3380

Conversions

Conversions Part 2

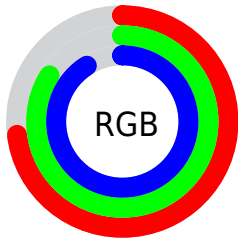
Format	Color
RYB	185, 202, 231
Decimal	12178919
CIELab	83.79, -5.48, -11.97
CIELCh	84, 13.160, 245.396
Yxy	63.6723, 0.2817, 0.3080
Android (android.graphics.Color)	4290368999 (0xFFB9D5E7)
YUV	206.6800, 11.9898, -19.0134
Hunter-Lab	79.7949, -9.3696, -7.1678

Details

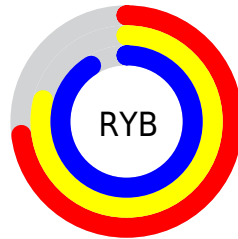
The Yxy color **63.6723, 0.2817, 0.3080** is a light color, and the websafe version is hex **CCCCCC**. A complement of this color would be **63.2374, 0.3483, 0.3491**, and the grayscale version is **62.1199, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6172, 0.3047, 0.3290**, and **32.3742, 0.2742, 0.3027** is the 20% darker color. If you saturate the color by 10%, you get **56.6018, 0.2660, 0.2958**, and if you desaturate by 10%, it is **71.4692, 0.2974, 0.3191**.

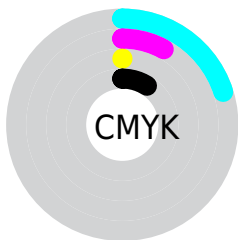
Distribution



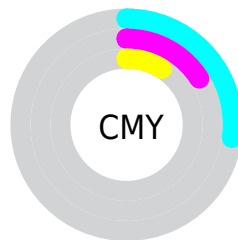
- Red (73%)
- Green (84%)
- Blue (91%)



- Red (73%)
- Yellow (79%)
- Blue (91%)



- Cyan (20%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)



- Cyan (27%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 63.6723, 0.2817, 0.3080 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 63.6723, 0.2817, 0.3080 by changing the saturation by 10% instead.

■ 63.6723, 0.2817,
0.3080

■ 63.6723, 0.2817,
0.3080

438.0053, 0.2963,
0.3180

■ 46.3853, 0.2783,
0.3056

■ 110.1389, 0.2868,
0.3115

■ 32.5500, 0.2741,
0.3027

140.0872, 0.2888,
0.3129

■ 21.7819, 0.2688,
0.2988

175.0248, 0.2905,
0.3141

■ 13.6968, 0.2617,
0.2937

215.3361, 0.2919,
0.3151

■ 7.9101, 0.2520,
0.2865

261.4053, 0.2932,
0.3160

■ 4.0374, 0.2378,
0.2758

313.6170, 0.2943,

■ 1.6945, 0.2152,

0.3167

0.2581

372.3556, 0.2954,
0.3174

0.4201, 0.1316,
0.2081

0.0000, 0.0000,
0.0000

63.6723, 0.2817,
0.3080

63.6723, 0.2817,
0.3080

56.6018, 0.2660,
0.2958

71.4692, 0.2974,
0.3191

50.2232, 0.2506,
0.2826

80.0096, 0.3129,
0.3291

44.5105, 0.2360,
0.2685

89.3198, 0.3279,
0.3380

39.4328, 0.2225,
0.2537

94.9112, 0.3274,
0.3468

■ 34.9558, 0.2106,
0.2385

■ 98.5495, 0.3268,
0.3522

■ 31.0410, 0.2007,
0.2232

■ 27.6432, 0.1929,
0.2081

■ 24.6889, 0.1871,
0.1934

■ 24.6575, 0.1870,
0.1932

Harmonies

Analogous

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



63.6723, 0.2823, 0.3204



63.6723, 0.2817, 0.3080



63.6723, 0.2891, 0.3016

Triad

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



63.6723, 0.2817, 0.3080



63.6723, 0.3349, 0.3220



63.6723, 0.3219, 0.3573

Complementary

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



63.6723, 0.2817, 0.3080



63.2374, 0.3483, 0.3491

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.



63.6723, 0.3364, 0.3570



63.6723, 0.2817, 0.3080



63.6723, 0.3441, 0.3363

Square

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



63.6723, 0.2817, 0.3080



63.6723, 0.3197, 0.3098



63.6723, 0.3447, 0.3491



63.6723, 0.3052, 0.3495

Rectangle

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



63.6723, 0.2817, 0.3080



63.6723, 0.2978, 0.3013



63.6723, 0.3447, 0.3491



63.6723, 0.3272, 0.3582

Sweetspot

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



63.6749, 0.2817, 0.3080



93.4457, 0.3034, 0.3231



71.7691, 0.2995, 0.3622



19.8530, 0.3024, 0.3224



0.0000, 0.0000, 0.0000



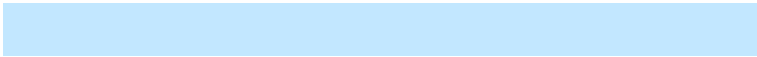
21.4041, 0.3127, 0.3290

Same Dimension

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



63.6749, 0.2817, 0.3080



75.8204, 0.2750, 0.3030



53.0991, 0.2800, 0.2808



15.3382, 0.2981, 0.3196



14.0717, 0.1877, 0.1955



1.2194, 0.1936, 0.2171

Inverse Universe

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



56.5146, 0.3291, 0.2984



65.5247, 0.3333, 0.2916



74.6910, 0.3437, 0.3730



14.5145, 0.3198, 0.3148



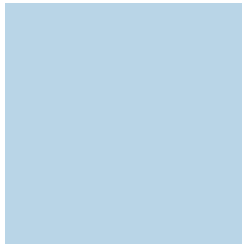
10.6183, 0.4504, 0.2255



0.8028, 0.4264, 0.2122

Previews

White Background



This preview shows how the Yxy color 63.6723, 0.2817, 0.3080 looks on a white background.

Color Contrast Check

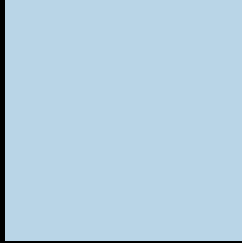
Large Text (above 18pt) WCAG AA × Fail

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 63.6723, 0.2817, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

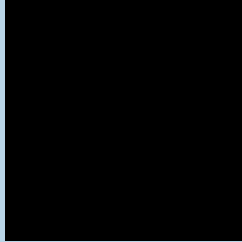
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

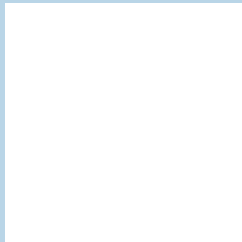
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 63.6723, 0.2817, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 63.6723, 0.2817, 0.3080.



This preview shows how white text looks on a background with the Yxy color 63.6723, 0.2817, 0.3080.

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

63.6723, 0.2817, 0.3080

Protanopia

63.4371, 0.2991, 0.3065

Deuteranopia

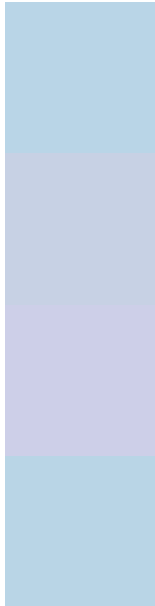
63.3468, 0.3023, 0.2961



Tritanopia

63.6160, 0.2823, 0.3091

Trichromacy



Original Color

63.6723, 0.2817, 0.3080

Protanomaly

63.3445, 0.2928, 0.3073

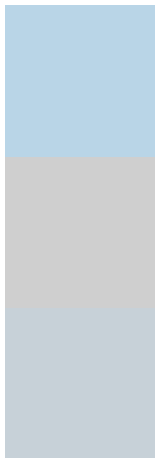
Deuteranomaly

63.4310, 0.2944, 0.3009

Tritanomaly

63.6160, 0.2823, 0.3091

Monochromacy



Original Color

63.6723, 0.2817, 0.3080

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

62.7009, 0.3006, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 63.6723, 0.2817, 0.3080 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(185, 213, 231)` looks like.

```
.text, #text, p{  
    color:rgb(185, 213, 231)  
}
```

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(185, 213, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(185, 213, 231) }
```

Border

The CSS property to change the border of an element to Yxy 63.6723, 0.2817, 0.3080 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(185, 213, 231) }
```

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

```
.border{ border-color:rgb(185, 213, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(185, 213, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(185, 213, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(185, 213, 231);  
box-shadow:4px 4px 4px 4px rgb(185, 213,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 63.6723, 0.2817, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(185, 213, 231) }
```

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

```
.background{ background-color: rgb(185,  
213, 231) }
```

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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