

Converting Colors

Yxy(64.6325, 0.2776, 0.3154)

Have a look what the booklet for
Yxy(64.6325, 0.2776, 0.3154)
contains.

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Color

Yxy(64.5130, 0.2774, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	B0D9E5
RGB	176, 217, 229
RGB Percent	69%, 85%, 90%
CMY	0.3100, 0.1489, 0.1020
CMYK	0.23, 0.05, 0.00, 0.10
HSL	194°, 50%, 79%
HSV	194°, 23%, 90%
XYZ	56.8485, 64.5130, 83.5718
YIQ	206.1090, -28.2880, -4.9600

Conversions

Conversions Part 2

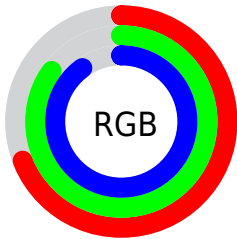
Format	Color
RYB	176, 199, 229
Decimal	11590117
CIELab	84.23, -10.76, -10.30
CIELCh	84, 14.899, 223.752
Yxy	64.5130, 0.2774, 0.3148
Android (android.graphics.Color)	4289780197 (0xFFB0D9E5)
YUV	206.1090, 11.2853, -26.4056
Hunter-Lab	80.3200, -14.2221, -5.4664

Details

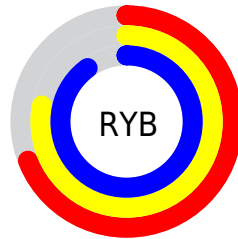
The Yxy color **64.5130, 0.2774, 0.3148** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **55.7152, 0.3574, 0.3427**, and the grayscale version is **61.7294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **33.0342, 0.2683, 0.3101** is the 20% darker color. If you saturate the color by 10%, you get **59.4471, 0.2630, 0.3078**, and if you desaturate by 10%, it is **70.1176, 0.2925, 0.3213**.

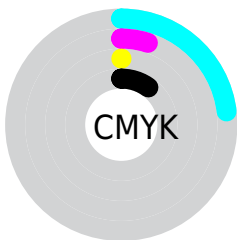
Distribution



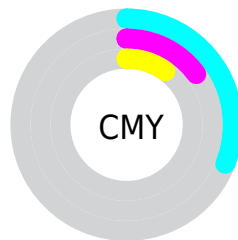
- Red (69%)
- Green (85%)
- Blue (90%)



- Red (69%)
- Yellow (78%)
- Blue (90%)



- Cyan (23%)
- Magenta (5%)
- Yellow (0%)
- Black (10%)



- Cyan (31%)
- Magenta (15%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.5130, 0.2774, 0.3148 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 64.5130, 0.2774, 0.3148 by changing the saturation by 10% instead.

■ 64.5130, 0.2774,
0.3148

■ 64.5130, 0.2774,
0.3148

441.0398, 0.2939,
0.3217

■ 47.0663, 0.2736,
0.3131

■ 111.3494, 0.2832,
0.3173

■ 33.0881, 0.2689,
0.3110

141.5079, 0.2854,
0.3182

■ 22.1939, 0.2629,
0.3083

176.6725, 0.2873,
0.3190

■ 13.9995, 0.2550,
0.3046

217.2275, 0.2890,
0.3197

■ 8.1203, 0.2441,
0.2993

263.5573, 0.2904,
0.3203

■ 4.1720, 0.2284,
0.2912

316.0464, 0.2917,

■ 1.7702, 0.2036,

0.3208

0.2774

375.0791, 0.2929,
0.3213

0.4685, 0.0958,
0.2457

0.0000, 0.0000,
0.0000

64.5130, 0.2774,
0.3148

64.5130, 0.2774,
0.3148

59.4471, 0.2630,
0.3078

70.1176, 0.2925,
0.3213

54.8888, 0.2495,
0.3003

76.2749, 0.3078,
0.3272

50.8154, 0.2373,
0.2924

83.0077, 0.3233,
0.3326

47.1990, 0.2267,
0.2842

87.8795, 0.3299,
0.3376

■ 44.0086, 0.2179,
0.2758

■ 90.9252, 0.3293,
0.3426

■ 41.2084, 0.2111,
0.2674

■ 94.0579, 0.3287,
0.3476

■ 38.7552, 0.2062,
0.2591

■ 97.2782, 0.3282,
0.3525

■ 37.2314, 0.2038,
0.2535

■ 98.4362, 0.3280,
0.3542

Harmonies

Analogous

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



64.5130, 0.2846, 0.3316



64.5130, 0.2774, 0.3148



64.5130, 0.2793, 0.3025

Triad

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



64.5130, 0.2774, 0.3148



64.5130, 0.3257, 0.3108



64.5130, 0.3354, 0.3617

Complementary

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



64.5130, 0.2774, 0.3148



55.7152, 0.3574, 0.3427

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.



64.5130, 0.3471, 0.3548



64.5130, 0.2774, 0.3148



64.5130, 0.3415, 0.3255

Square

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



64.5130, 0.2774, 0.3148



64.5130, 0.3068, 0.3007



64.5130, 0.3494, 0.3414



64.5130, 0.3178, 0.3595

Rectangle

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



64.5130, 0.2774, 0.3148



64.5130, 0.2855, 0.2984



64.5130, 0.3494, 0.3414



64.5130, 0.3402, 0.3603

Sweetspot

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



64.5156, 0.2774, 0.3148



94.2282, 0.3019, 0.3250



68.8598, 0.3027, 0.3795



20.0658, 0.3009, 0.3247



0.0000, 0.0000, 0.0000



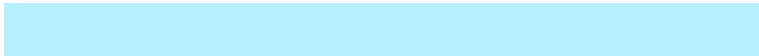
21.4041, 0.3127, 0.3290

Same Dimension

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



64.5156, 0.2774, 0.3148



79.0320, 0.2701, 0.3113



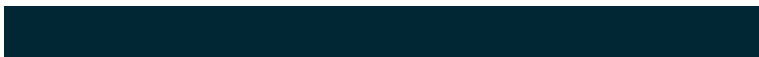
52.1294, 0.2749, 0.2829



15.7559, 0.2981, 0.3236



21.4789, 0.2041, 0.2548



1.7228, 0.2075, 0.2668

Inverse Universe

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



52.6950, 0.3250, 0.2838



61.6008, 0.3282, 0.2737



67.8586, 0.3511, 0.3712



14.5567, 0.3172, 0.3110



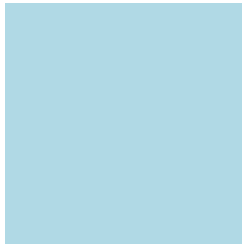
11.3660, 0.3875, 0.1908



0.8536, 0.3758, 0.1844

Previews

White Background



This preview shows how the Yxy color 64.5130, 0.2774, 0.3148 looks on a white background.

Color Contrast Check

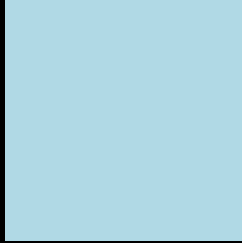
Large Text (above 18pt) WCAG AA × Fail

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 64.5130, 0.2774, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

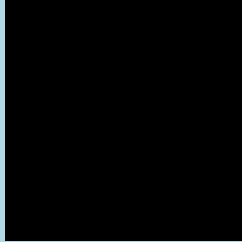
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.5130, 0.2774, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 64.5130, 0.2774, 0.3148.

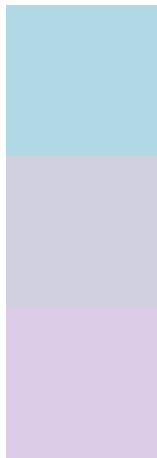


This preview shows how white text looks on a background with the Yxy color 64.5130, 0.2774, 0.3148.

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

64.5130, 0.2774, 0.3148

Protanopia

64.0489, 0.3025, 0.3110

Deuteranopia

64.2276, 0.3052, 0.2985



Tritanopia

64.3994, 0.2751, 0.3079

Trichromacy



Original Color

64.5130, 0.2774, 0.3148

Protanomaly

63.9498, 0.2927, 0.3118

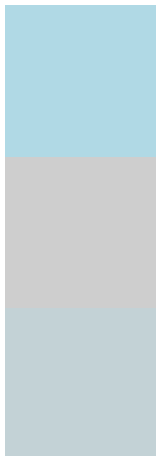
Deuteranomaly

64.2078, 0.2944, 0.3042

Tritanomaly

64.2850, 0.2762, 0.3101

Monochromacy



Original Color

64.5130, 0.2774, 0.3148

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.5503, 0.2991, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.5130, 0.2774, 0.3148 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(176, 217, 229)` looks like.

```
.text, #text, p{  
    color:rgb(176, 217, 229)  
}
```

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(176, 217, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 217, 229) }
```

Border

The CSS property to change the border of an element to Yxy 64.5130, 0.2774, 0.3148 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(176, 217, 229) }
```

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

```
.border{ border-color:rgb(176, 217, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 217, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(176, 217, 229); -webkit-box-shadow:4px 4px 4px 4px rgb(176, 217, 229); box-shadow:4px 4px 4px 4px rgb(176, 217, 229) }
```


Background

The CSS property to change the background color of an element to Yxy 64.5130, 0.2774, 0.3148 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 217, 229) }
```

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

```
.background{ background-color: rgb(176,  
217, 229) }
```

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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