

Converting Colors

Yxy(64.0041, 0.2759, 0.3100)

Have a look what the booklet for
Yxy(64.0041, 0.2759, 0.3100)
contains.

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Color

Yxy(64.1680, 0.2756, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	B0D8E8
RGB	176, 216, 232
RGB Percent	69%, 85%, 91%
CMY	0.3097, 0.1529, 0.0902
CMYK	0.24, 0.07, 0.00, 0.09
HSL	197°, 55%, 80%
HSV	197°, 24%, 91%
XYZ	57.0290, 64.1680, 85.7298
YIQ	205.8640, -28.9760, -3.5040

Conversions

Conversions Part 2

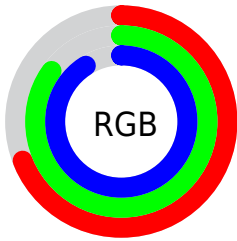
Format	Color
RYB	176, 199, 232
Decimal	11589864
CIELab	84.05, -9.55, -12.17
CIElCh	84, 15.471, 231.903
Yxy	64.1680, 0.2756, 0.3101
Android (android.graphics.Color)	4289779944 (0xFFB0D8E8)
YUV	205.8640, 12.8850, -26.1907
Hunter-Lab	80.1049, -13.1043, -7.3798

Details

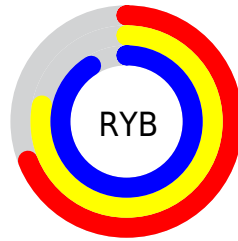
The Yxy color **64.1680, 0.2756, 0.3101** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **58.0031, 0.3589, 0.3471**, and the grayscale version is **61.5633, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.7619, 0.2667, 0.3054** is the 20% darker color. If you saturate the color by 10%, you get **58.3622, 0.2608, 0.3010**, and if you desaturate by 10%, it is **70.5784, 0.2909, 0.3185**.

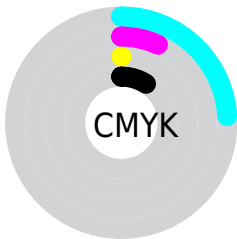
Distribution



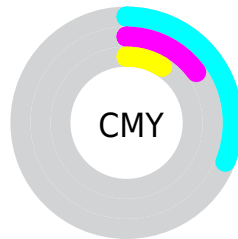
- Red (69%)
- Green (85%)
- Blue (91%)



- Red (69%)
- Yellow (78%)
- Blue (91%)



- Cyan (24%)
- Magenta (7%)
- Yellow (0%)
- Black (9%)



- Cyan (31%)
- Magenta (15%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.1680, 0.2756, 0.3101 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 64.1680, 0.2756, 0.3101 by changing the saturation by 10% instead.

■ 64.1680, 0.2756,
0.3101

■ 64.1680, 0.2756,
0.3101

439.7961, 0.2929,
0.3192

■ 46.7868, 0.2716,
0.3079

■ 110.8528, 0.2817,
0.3133

■ 32.8671, 0.2666,
0.3052

140.9252, 0.2840,
0.3146

■ 22.0247, 0.2603,
0.3016

175.9968, 0.2860,
0.3157

■ 13.8750, 0.2520,
0.2968

216.4519, 0.2878,
0.3166

■ 8.0338, 0.2407,
0.2901

262.6750, 0.2893,
0.3174

■ 4.1166, 0.2242,
0.2798

315.0505, 0.2907,

■ 1.7390, 0.1985,

0.3181

0.2627

373.9627, 0.2919,
0.3187

0.4487, 0.0952,
0.2207

0.0000, 0.0000,
0.0000

64.1680, 0.2756,
0.3101

64.1680, 0.2756,
0.3101

58.3622, 0.2608,
0.3010

70.5784, 0.2909,
0.3185

53.1281, 0.2468,
0.2913

77.6090, 0.3063,
0.3261

48.4412, 0.2340,
0.2811

85.2845, 0.3217,
0.3329

44.2716, 0.2227,
0.2704

90.9094, 0.3274,
0.3393

■ 40.5858, 0.2132,
0.2596

■ 94.9417, 0.3268,
0.3457

■ 37.3455, 0.2057,
0.2487

■ 98.6067, 0.3262,
0.3512

■ 34.5040, 0.2002,
0.2379

■ 32.9811, 0.1977,
0.2317

Harmonies

Analogous

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



64.1680, 0.2806, 0.3267



64.1680, 0.2756, 0.3101



64.1680, 0.2802, 0.2993

Triad

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



64.1680, 0.2756, 0.3101



64.1680, 0.3313, 0.3139



64.1680, 0.3317, 0.3634

Complementary

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



64.1680, 0.2756, 0.3101



58.0031, 0.3589, 0.3471

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.



64.1680, 0.3460, 0.3586



64.1680, 0.2756, 0.3101



64.1680, 0.3459, 0.3298

Square

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



64.1680, 0.2756, 0.3101



64.1680, 0.3119, 0.3018



64.1680, 0.3513, 0.3461



64.1680, 0.3126, 0.3584

Rectangle

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



64.1680, 0.2756, 0.3101



64.1680, 0.2881, 0.2965



64.1680, 0.3513, 0.3461



64.1680, 0.3373, 0.3628

Sweetspot

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



64.1706, 0.2756, 0.3101



93.5572, 0.3019, 0.3239



70.7510, 0.3001, 0.3773



19.9101, 0.3009, 0.3235



0.0000, 0.0000, 0.0000



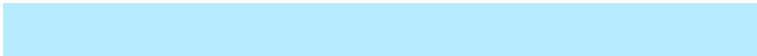
21.4041, 0.3127, 0.3290

Same Dimension

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



64.1706, 0.2756, 0.3101



75.8139, 0.2681, 0.3056



51.0885, 0.2727, 0.2760



15.6034, 0.2981, 0.3221



18.5335, 0.1982, 0.2334



1.5262, 0.2025, 0.2490

Inverse Universe

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



53.1723, 0.3284, 0.2853



60.2604, 0.3324, 0.2759



71.4148, 0.3520, 0.3770



14.5413, 0.3181, 0.3124



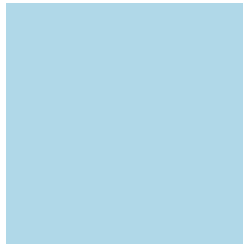
11.0687, 0.4091, 0.2027



0.8338, 0.3932, 0.1940

Previews

White Background



This preview shows how the Yxy color 64.1680, 0.2756, 0.3101 looks on a white background.

Color Contrast Check

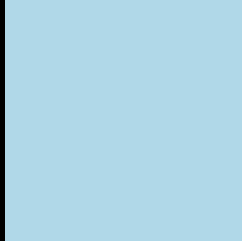
Large Text (above 18pt) WCAG AA × Fail

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 64.1680, 0.2756, 0.3101 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 64.1680, 0.2756, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 64.1680, 0.2756, 0.3101.



This preview shows how white text looks on a background with the Yxy color 64.1680, 0.2756, 0.3101.

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

64.1680, 0.2756, 0.3101

Protanopia

64.0677, 0.2998, 0.3076

Deuteranopia

64.0893, 0.3017, 0.2952



Tritanopia

64.2250, 0.2750, 0.3090

Trichromacy



Original Color

64.1680, 0.2756, 0.3101

Protanomaly

63.9814, 0.2901, 0.3084

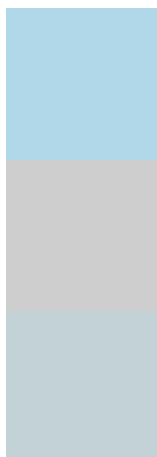
Deuteranomaly

63.7488, 0.2917, 0.2998

Tritanomaly

64.2250, 0.2750, 0.3090

Monochromacy



Original Color

64.1680, 0.2756, 0.3101

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.6016, 0.2984, 0.3231

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.1680, 0.2756, 0.3101 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, 216, 232)` looks like.

```
.text, #text, p{  
    color:rgb(176, 216, 232)  
}
```

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, 216, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 216, 232) }
```

Border

The CSS property to change the border of an element to Yxy 64.1680, 0.2756, 0.3101 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, 216, 232) }
```

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

```
.border{ border-color:rgb(176, 216, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 216, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 216, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 216, 232);  
box-shadow:4px 4px 4px 4px rgb(176, 216,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 64.1680, 0.2756, 0.3101 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 216, 232) }
```

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

```
.background{ background-color: rgb(176,  
216, 232) }
```

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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