

Converting Colors

Yxy(64.2415, 0.2804, 0.3160)

Have a look what the booklet for
Yxy(64.2415, 0.2804, 0.3160)
contains.

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Color

Yxy(64.2415, 0.2804, 0.3160)

Conversions

Conversions Part 1	
Format	Color
Hex	B3D8E3
RGB	179, 216, 227
RGB Percent	70%, 85%, 89%
CMY	0.2981, 0.1529, 0.1099
CMYK	0.21, 0.05, 0.00, 0.11
HSL	194°, 46%, 80%
HSV	194°, 21%, 89%
XYZ	57.0042, 64.2415, 82.0502
YIQ	206.1910, -25.5830, -4.4230

Conversions

Conversions Part 2

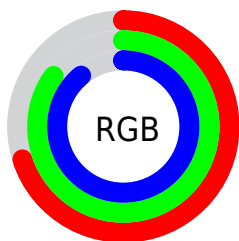
Format	Color
RYB	179, 200, 227
Decimal	11786467
CIELab	84.09, -9.77, -9.43
CIELCh	84, 13.578, 223.976
Yxy	64.2415, 0.2804, 0.3160
Android (android.graphics.Color)	4289976547 (0xFFB3D8E3)
YUV	206.1910, 10.2588, -23.8465
Hunter-Lab	80.1508, -13.3126, -4.5895

Details

The Yxy color `64.2415, 0.2804, 0.3160` is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be `56.3815, 0.3527, 0.3416`, and the grayscale version is `61.7935, 0.3127, 0.3290`.

A 20% lighter version of the original color is `96.4022, 0.3005, 0.3290`, and `32.8283, 0.2720, 0.3117` is the 20% darker color. If you saturate the color by 10%, you get `59.1441, 0.2658, 0.3090`, and if you desaturate by 10%, it is `69.8730, 0.2955, 0.3225`.

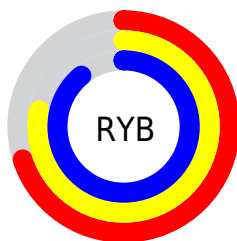
Distribution



Red (70%)

Green (85%)

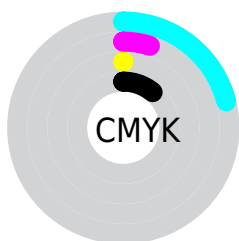
Blue (89%)



Red (70%)

Yellow (78%)

Blue (89%)

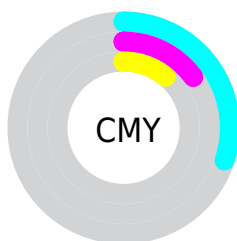


Cyan (21%)

Magenta (5%)

Yellow (0%)

Black (11%)



Cyan (30%)


Magenta (15%)


Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.2415, 0.2804, 0.3160 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 64.2415, 0.2804, 0.3160 by changing the saturation by 10% instead.


 64.2415, 0.2804,
0.3160

 64.2415, 0.2804,
0.3160

440.0612, 0.2955,
0.3223

 46.8463, 0.2769,
0.3145


 110.9587, 0.2857,
0.3183

 32.9142, 0.2726,
0.3126


141.0494, 0.2877,
0.3191

 22.0607, 0.2670,
0.3101


176.1408, 0.2895,
0.3199

 13.9015, 0.2597,
0.3067

216.6172, 0.2910,
0.3205

 8.0522, 0.2497,
0.3018

262.8631, 0.2924,
0.3210

 4.1284, 0.2350,
0.2945


315.2628, 0.2935,

 1.7456, 0.2118,


0.3215


0.2818


374.2007, 0.2946,
0.3219

 0.4529, 0.1061,
0.2503


 0.0000, 0.0000,
0.0000


 64.2415, 0.2804,
0.3160

 64.2415, 0.2804,
0.3160

 59.1441, 0.2658,
0.3090


 69.8730, 0.2955,
0.3225

 54.5506, 0.2521,
0.3015

 76.0519, 0.3109,
0.3284

 50.4390, 0.2396,
0.2935

 82.8004, 0.3263,
0.3337

 46.7829, 0.2286,
0.2853

 87.2282, 0.3313,
0.3387

■ 43.5523, 0.2194,
0.2769

■ 90.2696, 0.3307,
0.3437

■ 40.7134, 0.2121,
0.2684

■ 93.3984, 0.3301,
0.3487

■ 38.2258, 0.2068,
0.2599

■ 96.6154, 0.3295,
0.3537

■ 36.2573, 0.2035,
0.2525

■ 98.3247, 0.3292,
0.3562

Harmonies

Analogous

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



64.2415, 0.2869, 0.3313



64.2415, 0.2804, 0.3160



64.2415, 0.2822, 0.3048

Triad

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



64.2415, 0.2804, 0.3160



64.2415, 0.3247, 0.3124



64.2415, 0.3333, 0.3588

Complementary

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



64.2415, 0.2804, 0.3160



56.3815, 0.3527, 0.3416

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.



64.2415, 0.3440, 0.3527



64.2415, 0.2804, 0.3160



64.2415, 0.3390, 0.3259

Square

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



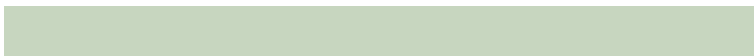
64.2415, 0.2804, 0.3160



64.2415, 0.3074, 0.3032



64.2415, 0.3462, 0.3405



64.2415, 0.3173, 0.3567

Rectangle

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



64.2415, 0.2804, 0.3160



64.2415, 0.2879, 0.3010



64.2415, 0.3462, 0.3405



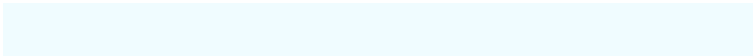
64.2415, 0.3377, 0.3576

Sweetspot

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



64.2441, 0.2804, 0.3160



95.0034, 0.3034, 0.3256



68.1966, 0.3036, 0.3745



20.2217, 0.3024, 0.3252



0.0000, 0.0000, 0.0000



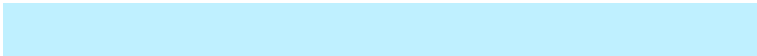
21.4041, 0.3127, 0.3290

Same Dimension

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



64.2441, 0.2804, 0.3160



80.9081, 0.2745, 0.3133



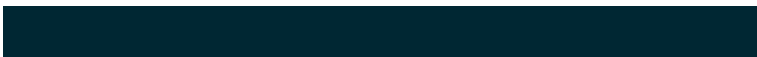
53.0786, 0.2784, 0.2874



15.7488, 0.2981, 0.3235



21.3343, 0.2038, 0.2538



1.7133, 0.2072, 0.2660

Inverse Universe

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



53.5164, 0.3239, 0.2880



64.9482, 0.3264, 0.2800



67.3588, 0.3474, 0.3674



14.5559, 0.3173, 0.3110



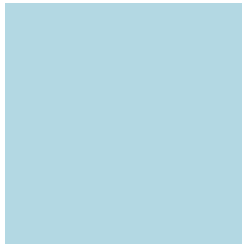
11.3514, 0.3885, 0.1914



0.8526, 0.3766, 0.1848

Previews

White Background



This preview shows how the Yxy color 64.2415, 0.2804, 0.3160 looks on a white background.

Color Contrast Check

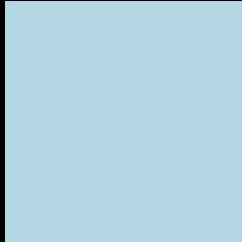
Large Text (above 18pt) WCAG AA × Fail

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 64.2415, 0.2804, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

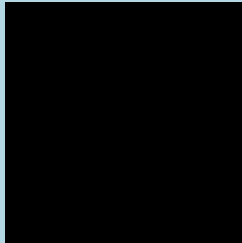
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

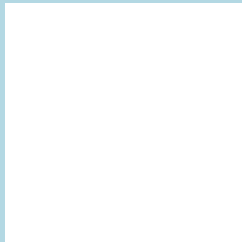
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.2415, 0.2804, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 64.2415, 0.2804, 0.3160.

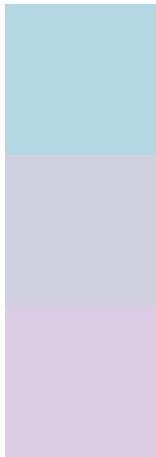


This preview shows how white text looks on a background with the Yxy color 64.2415, 0.2804, 0.3160.

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

64.2415, 0.2804, 0.3160

Protanopia

63.9410, 0.3039, 0.3132

Deuteranopia

64.1145, 0.3066, 0.3006



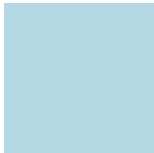
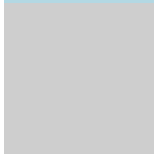
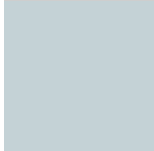
Tritanopia

64.1304, 0.2780, 0.3091

Trichromacy

	Original Color 64.2415, 0.2804, 0.3160
	Protanomaly 63.9761, 0.2947, 0.3140
	Deuteranomaly 63.7480, 0.2963, 0.3053
	Tritanomaly 64.0173, 0.2792, 0.3113

Monochromacy

	Original Color 64.2415, 0.2804, 0.3160
	Achromatopsia 61.7207, 0.3127, 0.3290
	Achromatomaly 62.6840, 0.2998, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2415, 0.2804, 0.3160 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(179, 216, 227) looks like.

```
.text, #text, p{  
    color:rgb(179, 216, 227)  
}
```

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(179, 216, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(179, 216, 227) }
```

Border

The CSS property to change the border of an element to Yxy 64.2415, 0.2804, 0.3160 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(179, 216, 227) }
```

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

```
.border{ border-color:rgb(179, 216, 227) }
```

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

Here you see how a box with a 4 pixel rgb(179, 216, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(179, 216, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(179, 216, 227);  
box-shadow:4px 4px 4px 4px rgb(179, 216,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2415, 0.2804, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(179, 216, 227) }
```

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

```
.background{ background-color: rgb(179,  
216, 227) }
```

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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