

Converting Colors

Yxy(64.4214, 0.2713, 0.3033)

Have a look what the booklet for
Yxy(64.4214, 0.2713, 0.3033)
contains.

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Color

Yxy(64.3987, 0.2716, 0.3033)

Conversions

Conversions Part 1

Format	Color
Hex	AFD8EE
RGB	175, 216, 238
RGB Percent	69%, 85%, 93%
CMY	0.3136, 0.1529, 0.0668
CMYK	0.26, 0.09, 0.00, 0.07
HSL	201°, 65%, 81%
HSV	201°, 26%, 93%
XYZ	57.6679, 64.3987, 90.2601
YIQ	206.2490, -31.4980, -1.8500

Conversions

Conversions Part 2

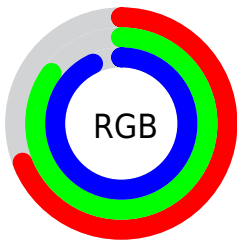
Format	Color
R _Y B	175, 200, 238
Decimal	11524334
CIE Lab	84.17, -8.49, -15.17
CIE LCh	84, 17.382, 240.752
Yxy	64.3987, 0.2716, 0.3033
Android (android.graphics.Color)	4289714414 (0xFFAFD8EE)
YUV	206.2490, 15.6532, -27.4054
Hunter-Lab	80.2488, -12.1627, -10.5125

Details

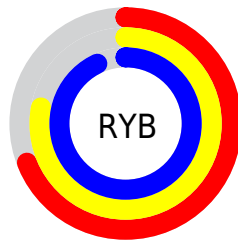
The Yxy color **64.3987, 0.2716, 0.3033** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.1997, 0.3635, 0.3533**, and the grayscale version is **61.8053, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.9321, 0.2617, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **57.7363, 0.2564, 0.2919**, and if you desaturate by 10%, it is **71.7667, 0.2872, 0.3138**.

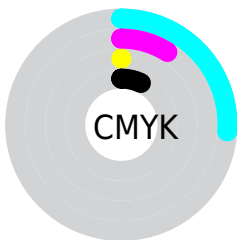
Distribution



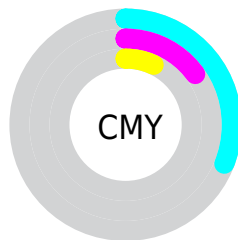
- Red (69%)
- Green (85%)
- Blue (93%)



- Red (69%)
- Yellow (78%)
- Blue (93%)



- Cyan (26%)
- Magenta (9%)
- Yellow (0%)
- Black (7%)



- Cyan (31%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.3987, 0.2716, 0.3033 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 64.3987, 0.2716, 0.3033 by changing the saturation by 10% instead.

■ 64.3987, 0.2716,
0.3033

■ 64.3987, 0.2716,
0.3033

440.6280, 0.2908,
0.3156

■ 46.9737, 0.2672,
0.3004

■ 111.1849, 0.2783,
0.3077

■ 33.0148, 0.2617,
0.2967

141.3149, 0.2809,
0.3093

■ 22.1378, 0.2548,
0.2920

176.4487, 0.2831,
0.3108

■ 13.9582, 0.2458,
0.2857

216.9706, 0.2850,
0.3120

■ 8.0916, 0.2334,
0.2770

263.2651, 0.2867,
0.3131

■ 4.1536, 0.2157,
0.2639

315.7166, 0.2882,

■ 1.7599, 0.1883,

0.3140

0.2426

374.7094, 0.2896,
0.3149

0.4620, 0.0970,
0.1933

0.0000, 0.0000,
0.0000

64.3987, 0.2716,
0.3033

64.3987, 0.2716,
0.3033

57.7363, 0.2564,
0.2919

71.7667, 0.2872,
0.3138

51.7431, 0.2419,
0.2797

79.8592, 0.3028,
0.3233

46.3906, 0.2286,
0.2668

88.7039, 0.3181,
0.3319

41.6449, 0.2168,
0.2535

95.3241, 0.3231,
0.3399

■ 37.4677, 0.2068,
0.2399

■ 98.9516, 0.3226,
0.3454

■ 33.8148, 0.1989,
0.2264

■ 30.6314, 0.1930,
0.2132

■ 29.5852, 0.1913,
0.2085

Harmonies

Analogous

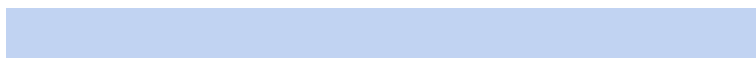
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



64.3987, 0.2740, 0.3204



64.3987, 0.2716, 0.3033



64.3987, 0.2797, 0.2938

Triad

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



64.3987, 0.2716, 0.3033



64.3987, 0.3392, 0.3170



64.3987, 0.3279, 0.3672

Complementary

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



64.3987, 0.2716, 0.3033



61.1997, 0.3635, 0.3533

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.



64.3987, 0.3462, 0.3648



64.3987, 0.2716, 0.3033



64.3987, 0.3530, 0.3354

Square

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



64.3987, 0.2716, 0.3033



64.3987, 0.3183, 0.3020



64.3987, 0.3555, 0.3528



64.3987, 0.3060, 0.3585

Rectangle

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



64.3987, 0.2716, 0.3033



64.3987, 0.2902, 0.2926



64.3987, 0.3555, 0.3528



64.3987, 0.3347, 0.3677

Sweetspot

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



64.4013, 0.2716, 0.3033



91.8749, 0.3003, 0.3219



74.2375, 0.2971, 0.3789



19.3515, 0.2980, 0.3205



0.0000, 0.0000, 0.0000



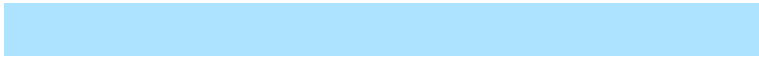
21.4041, 0.3127, 0.3290

Same Dimension

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



64.4013, 0.2716, 0.3033



70.8249, 0.2629, 0.2970



50.2019, 0.2680, 0.2661



16.9462, 0.2980, 0.3206



16.7607, 0.1918, 0.2106



1.5799, 0.1967, 0.2280

Inverse Universe

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



53.7997, 0.3336, 0.2849



56.8203, 0.3393, 0.2752



76.4722, 0.3553, 0.3849



15.9322, 0.3191, 0.3137



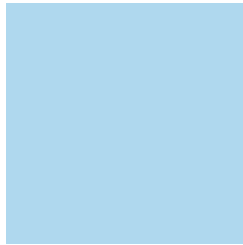
11.4854, 0.4335, 0.2161



0.9742, 0.4148, 0.2059

Previews

White Background



This preview shows how the Yxy color 64.3987, 0.2716, 0.3033 looks on a white background.

Color Contrast Check

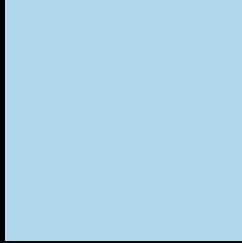
Large Text (above 18pt) WCAG AA × Fail

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 64.3987, 0.2716, 0.3033 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 64.3987, 0.2716, 0.3033

Background



This preview shows how black text looks on a background with the Yxy color 64.3987, 0.2716, 0.3033.

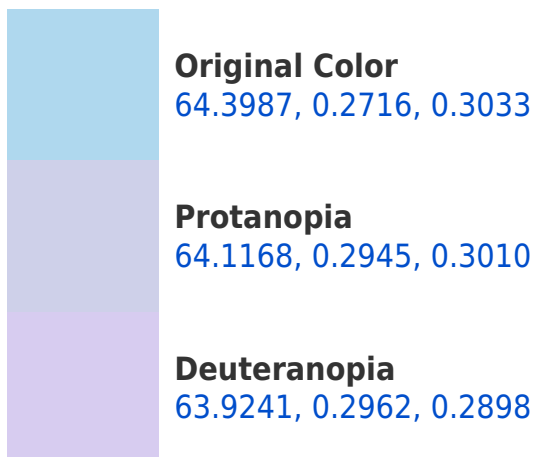


This preview shows how white text looks on a background with the Yxy color 64.3987, 0.2716, 0.3033.

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





Tritanopia

64.5649, 0.2733, 0.3090

Trichromacy



Original Color

64.3987, 0.2716, 0.3033

Protanomaly

64.1888, 0.2857, 0.3017

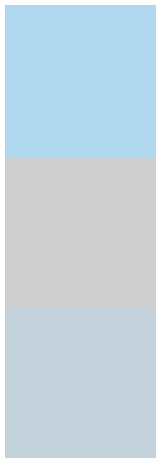
Deuteranomaly

63.6231, 0.2865, 0.2942

Tritanomaly

64.6225, 0.2728, 0.3078

Monochromacy



Original Color

64.3987, 0.2716, 0.3033

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.7572, 0.2965, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3987, 0.2716, 0.3033 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(175, 216, 238)` looks like.

```
.text, #text, p{  
    color:rgb(175, 216, 238)  
}
```

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(175, 216, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 216, 238) }
```

Border

The CSS property to change the border of an element to Yxy 64.3987, 0.2716, 0.3033 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(175, 216, 238) }
```

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

```
.border{ border-color:rgb(175, 216, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 216, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 216, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 216, 238);  
box-shadow:4px 4px 4px 4px rgb(175, 216,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3987, 0.2716, 0.3033 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 216, 238) }
```

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

```
.background{ background-color: rgb(175,  
216, 238) }
```

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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