

Converting Colors

Yxy(64.2549, 0.2694, 0.2989)

Have a look what the booklet for
Yxy(64.2549, 0.2694, 0.2989)
contains.

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Color

Yxy(64.0657, 0.2698, 0.2987)

Conversions

Conversions Part 1

Format	Color
Hex	AFD7F1
RGB	175, 215, 241
RGB Percent	69%, 84%, 95%
CMY	0.3135, 0.1569, 0.0548
CMYK	0.27, 0.11, 0.00, 0.05
HSL	204°, 70%, 82%
HSV	204°, 27%, 95%
XYZ	57.8672, 64.0657, 92.5489
YIQ	206.0040, -32.1860, -0.3940

Conversions

Conversions Part 2

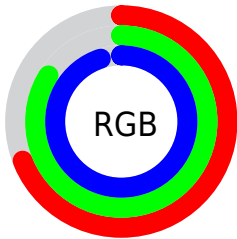
Format	Color
R_{YB}	175, 200, 241
Decimal	11524081
CIE _{Lab}	84.00, -7.26, -17.04
CIE _{LCh}	84, 18.521, 246.922
Yxy	64.0657, 0.2698, 0.2987
Android (android.graphics.Color)	4289714161 (0xFFAFD7F1)
YUV	206.0040, 17.2530, -27.1905
Hunter-Lab	80.0411, -11.0219, -12.5264

Details

The Yxy color **64.0657, 0.2698, 0.2987** is a light color, and the websafe version is hex **99CCFF**. A complement of this color would be **63.6123, 0.3648, 0.3574**, and the grayscale version is **61.6348, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.8958, 0.2987, 0.3290**, and **32.7093, 0.2595, 0.2905** is the 20% darker color. If you saturate the color by 10%, you get **56.8197, 0.2543, 0.2856**, and if you desaturate by 10%, it is **72.0961, 0.2856, 0.3107**.

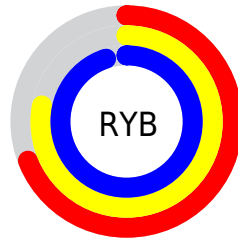
Distribution



Red (69%)

Green (84%)

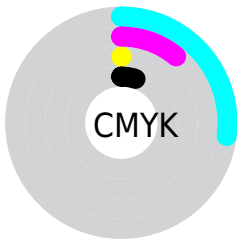
Blue (95%)



Red (69%)

Yellow (78%)

Blue (95%)

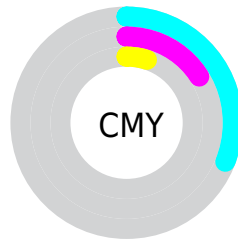


Cyan (27%)

Magenta (11%)

Yellow (0%)

Black (5%)



Cyan (31%)

Magenta (16%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 64.0657, 0.2698, 0.2987 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 64.0657, 0.2698, 0.2987 by changing the saturation by 10% instead.

■ 64.0657, 0.2698,
0.2987

■ 64.0657, 0.2698,
0.2987

439.4269, 0.2898,
0.3132

■ 46.7039, 0.2652,
0.2953

■ 110.7055, 0.2768,
0.3038

■ 32.8016, 0.2595,
0.2910

140.7524, 0.2795,
0.3058

■ 21.9745, 0.2523,
0.2856

175.7963, 0.2818,
0.3074

■ 13.8382, 0.2429,
0.2783

216.2218, 0.2838,
0.3089

■ 8.0082, 0.2300,
0.2682

262.4132, 0.2856,
0.3102

■ 4.1002, 0.2116,
0.2534

314.7549, 0.2872,

■ 1.7298, 0.1834,

0.3113

0.2295

373.6313, 0.2886,
0.3123

0.4428, 0.0956,
0.1738

0.0000, 0.0000,
0.0000

64.0657, 0.2698,
0.2987

64.0657, 0.2698,
0.2987

56.8197, 0.2543,
0.2856

72.0961, 0.2856,
0.3107

50.3193, 0.2393,
0.2716

80.9323, 0.3013,
0.3217

44.5332, 0.2255,
0.2568

90.6044, 0.3167,
0.3315

39.4242, 0.2131,
0.2415

97.8816, 0.3210,
0.3406

■ 34.9509, 0.2026,
0.2261

■ 99.1320, 0.3208,
0.3424

■ 31.0652, 0.1943,
0.2107

■ 27.7054, 0.1881,
0.1958

■ 26.8854, 0.1867,
0.1919

Harmonies

Analogous

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



64.0657, 0.2700, 0.3155



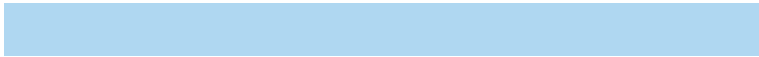
64.0657, 0.2698, 0.2987



64.0657, 0.2805, 0.2906

Triad

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



64.0657, 0.2698, 0.2987



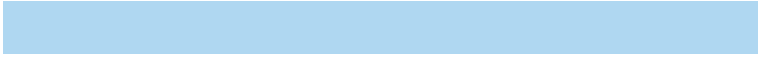
64.0657, 0.3448, 0.3201



64.0657, 0.3242, 0.3689

Complementary

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



64.0657, 0.2698, 0.2987



63.6123, 0.3648, 0.3574

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.



64.0657, 0.3450, 0.3687



64.0657, 0.2698, 0.2987



64.0657, 0.3574, 0.3398

Square

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



64.0657, 0.2698, 0.2987



64.0657, 0.3236, 0.3030



64.0657, 0.3574, 0.3576



64.0657, 0.3009, 0.3573

Rectangle

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



64.0657, 0.2698, 0.2987



64.0657, 0.2928, 0.2907



64.0657, 0.3574, 0.3576



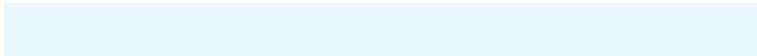
64.0657, 0.3317, 0.3702

Sweetspot

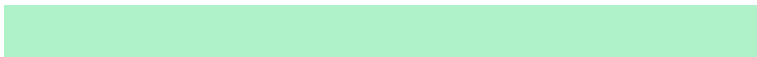
The Sweet Spot groups the original color and five complimentary colors.



64.0683, 0.2698, 0.2987



91.3056, 0.3003, 0.3210



76.2279, 0.2947, 0.3769



19.2079, 0.2979, 0.3194



0.0000, 0.0000, 0.0000



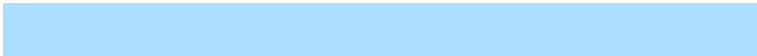
21.4041, 0.3127, 0.3290

Same Dimension

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



64.0683, 0.2698, 0.2987



67.9959, 0.2608, 0.2913



49.2355, 0.2659, 0.2595



16.8212, 0.2980, 0.3195



14.8472, 0.1873, 0.1943



1.4285, 0.1928, 0.2139

Inverse Universe

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



54.2904, 0.3370, 0.2864



55.5922, 0.3437, 0.2771



80.2622, 0.3561, 0.3901



15.9196, 0.3198, 0.3148



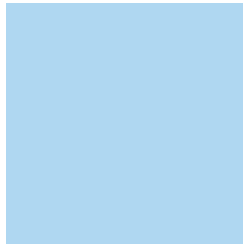
11.2922, 0.4517, 0.2262



0.9589, 0.4298, 0.2141

Previews

White Background



This preview shows how the Yxy color 64.0657, 0.2698, 0.2987 looks on a white background.

Color Contrast Check

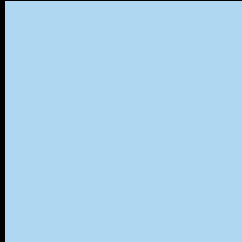
Large Text (above 18pt) WCAG AA × Fail

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 64.0657, 0.2698, 0.2987 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

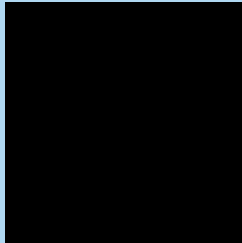
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

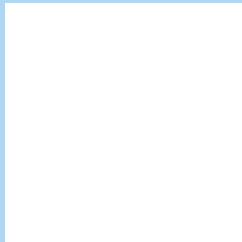
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.0657, 0.2698, 0.2987

Background



This preview shows how black text looks on a background with the Yxy color 64.0657, 0.2698, 0.2987.



This preview shows how white text looks on a background with the Yxy color 64.0657, 0.2698, 0.2987.

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

64.0657, 0.2698, 0.2987

Protanopia

63.6609, 0.2918, 0.2966

Deuteranopia

63.8029, 0.2928, 0.2865



Tritanopia

63.9365, 0.2726, 0.3077

Trichromacy



Original Color

64.0657, 0.2698, 0.2987

Protanomaly

63.7356, 0.2832, 0.2972

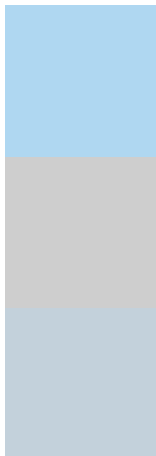
Deuteranomaly

63.6647, 0.2840, 0.2909

Tritanomaly

64.2248, 0.2715, 0.3044

Monochromacy



Original Color

64.0657, 0.2698, 0.2987

Achromatopsia

61.7207, 0.3127, 0.3290

Achromatomaly

62.3175, 0.2958, 0.3173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.0657, 0.2698, 0.2987 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, 215, 241)` looks like.

```
.text, #text, p{  
    color:rgb(175, 215, 241)  
}
```

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, 215, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(175, 215, 241) }
```

Border

The CSS property to change the border of an element to Yxy 64.0657, 0.2698, 0.2987 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, 215, 241) }
```

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

```
.border{ border-color:rgb(175, 215, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(175, 215, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(175, 215, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(175, 215, 241);  
box-shadow:4px 4px 4px 4px rgb(175, 215,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 64.0657, 0.2698, 0.2987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(175, 215, 241) }
```

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

```
.background{ background-color: rgb(175,  
215, 241) }
```

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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