

Converting Colors

$Yxy(65.7222, 0.2742, 0.3069)$

Have a look what the booklet for
Yxy(65.7222, 0.2742, 0.3069)
contains.

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Color

Yxy(65.7222, 0.2742, 0.3069)

Conversions

Conversions Part 1

Format	Color
Hex	B2DAED
RGB	178, 218, 237
RGB Percent	70%, 85%, 93%
CMY	0.3019, 0.1451, 0.0706
CMYK	0.25, 0.08, 0.00, 0.07
HSL	199°, 62%, 81%
HSV	199°, 25%, 93%
XYZ	58.7195, 65.7222, 89.7068
YIQ	208.2060, -29.9390, -2.5710

Conversions

Conversions Part 2

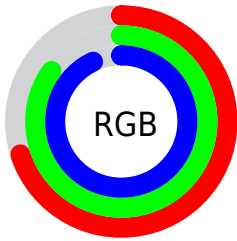
Format	Color
R _{YB}	178, 202, 237
Decimal	11721453
CIE _{Lab}	84.85, -8.87, -13.61
CIE _{LCh}	85, 16.243, 236.890
Yxy	65.7222, 0.2742, 0.3069
Android (android.graphics.Color)	4289911533 (0xFFB2DAED)
YUV	208.2060, 14.1954, -26.4907
Hunter-Lab	81.0692, -12.5812, -8.8587

Details

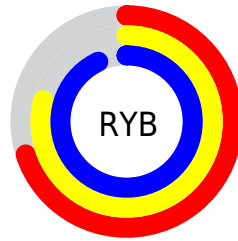
The Yxy color **65.7222, 0.2742, 0.3069** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **61.1571, 0.3602, 0.3501**, and the grayscale version is **63.1411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.4022, 0.3005, 0.3290**, and **33.8157, 0.2651, 0.3013** is the 20% darker color. If you saturate the color by 10%, you get **59.2910, 0.2591, 0.2966**, and if you desaturate by 10%, it is **72.8253, 0.2897, 0.3164**.

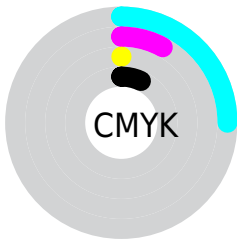
Distribution



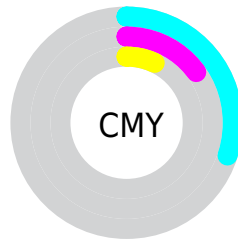
- Red (70%)
- Green (85%)
- Blue (93%)



- Red (70%)
- Yellow (79%)
- Blue (93%)



- Cyan (25%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)



- Cyan (30%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 65.7222, 0.2742, 0.3069 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 65.7222, 0.2742, 0.3069 by changing the saturation by 10% instead.

■ 65.7222, 0.2742,
0.3069

■ 65.7222, 0.2742,
0.3069

445.3827, 0.2921,
0.3175

■ 48.0469, 0.2701,
0.3044

■ 113.0875, 0.2804,
0.3106

■ 33.8640, 0.2650,
0.3013

143.5464, 0.2828,
0.3121

■ 22.7892, 0.2586,
0.2972

179.0352, 0.2849,
0.3133

■ 14.4379, 0.2501,
0.2918

219.9384, 0.2867,
0.3144

■ 8.4259, 0.2387,
0.2842

266.6403, 0.2883,
0.3153

■ 4.3686, 0.2222,
0.2730

319.5254, 0.2897,

■ 1.8818, 0.1967,

0.3161

0.2545

378.9781, 0.2910,
0.3169

0.5374, 0.1182,
0.2160

0.0000, 0.0000,
0.0000

65.7222, 0.2742,
0.3069

65.7222, 0.2742,
0.3069

59.2910, 0.2591,
0.2966

72.8253, 0.2897,
0.3164

53.4964, 0.2448,
0.2855

80.6178, 0.3052,
0.3251

48.3116, 0.2316,
0.2738

89.1264, 0.3205,
0.3329

43.7039, 0.2199,
0.2616

94.8365, 0.3238,
0.3402

■ 39.6372, 0.2100,
0.2492

■ 98.8941, 0.3232,
0.3464

■ 36.0694, 0.2022,
0.2368

■ 32.9496, 0.1964,
0.2246

■ 31.4883, 0.1940,
0.2184

Harmonies

Analogous

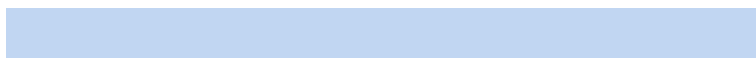
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.7222, 0.2777, 0.3235



65.7222, 0.2742, 0.3069



65.7222, 0.2805, 0.2970

Triad

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



65.7222, 0.2742, 0.3069



65.7222, 0.3350, 0.3158



65.7222, 0.3294, 0.3647

Complementary

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



65.7222, 0.2742, 0.3069



61.1571, 0.3602, 0.3501

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.



65.7222, 0.3455, 0.3613



65.7222, 0.2742, 0.3069



65.7222, 0.3490, 0.3327

Square

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



65.7222, 0.2742, 0.3069



65.7222, 0.3153, 0.3024



65.7222, 0.3528, 0.3493



65.7222, 0.3092, 0.3578

Rectangle

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



65.7222, 0.2742, 0.3069



65.7222, 0.2897, 0.2950



65.7222, 0.3528, 0.3493



65.7222, 0.3355, 0.3647

Sweetspot

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



65.7249, 0.2742, 0.3069



93.1571, 0.3019, 0.3233



74.0501, 0.2986, 0.3767



19.8174, 0.3009, 0.3228



0.0000, 0.0000, 0.0000



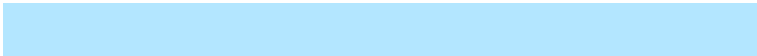
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7249, 0.2742, 0.3069



73.5398, 0.2662, 0.3016



51.9039, 0.2711, 0.2716



16.2564, 0.2981, 0.3212



17.4401, 0.1946, 0.2204



1.5424, 0.1992, 0.2372

Inverse Universe

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



54.9140, 0.3307, 0.2860



59.0337, 0.3355, 0.2767



75.7110, 0.3529, 0.3805



15.2264, 0.3187, 0.3132



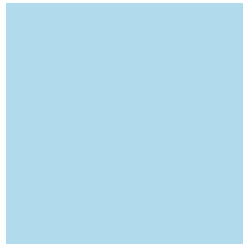
11.2534, 0.4228, 0.2103



0.9011, 0.4052, 0.2006

Previews

White Background



This preview shows how the Yxy color 65.7222, 0.2742, 0.3069 looks on a white background.

Color Contrast Check

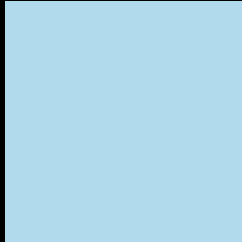
Large Text (above 18pt) WCAG AA × Fail

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 65.7222, 0.2742, 0.3069 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

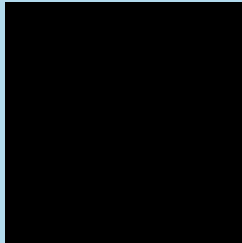
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

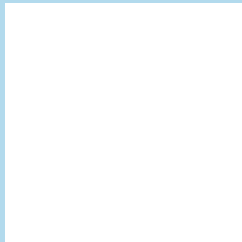
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7222, 0.2742, 0.3069

Background



This preview shows how black text looks on a background with the Yxy color 65.7222, 0.2742, 0.3069.



This preview shows how white text looks on a background with the Yxy color 65.7222, 0.2742, 0.3069.

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

65.7222, 0.2742, 0.3069

Protanopia

65.4747, 0.2972, 0.3045

Deuteranopia

65.4347, 0.2998, 0.2933



Tritanopia

65.6639, 0.2748, 0.3080

Trichromacy



Original Color

65.7222, 0.2742, 0.3069

Protanomaly

65.5348, 0.2885, 0.3052

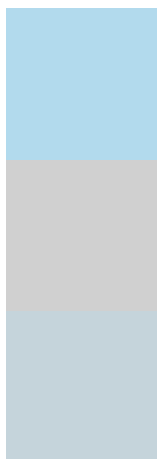
Deuteranomaly

65.1036, 0.2899, 0.2978

Tritanomaly

65.6639, 0.2748, 0.3080

Monochromacy



Original Color

65.7222, 0.2742, 0.3069

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.0718, 0.2972, 0.3209

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7222, 0.2742, 0.3069 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(178, 218, 237)` looks like.

```
.text, #text, p{  
    color:rgb(178, 218, 237)  
}
```

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(178, 218, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 218, 237) }
```

Border

The CSS property to change the border of an element to Yxy 65.7222, 0.2742, 0.3069 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(178, 218, 237) }
```

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

```
.border{ border-color:rgb(178, 218, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 218, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 218, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 218, 237);  
box-shadow:4px 4px 4px 4px rgb(178, 218,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7222, 0.2742, 0.3069 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 218, 237) }
```

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

```
.background{ background-color: rgb(178,  
218, 237) }
```

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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