

Converting Colors

$Yxy(65.2688, 0.2715, 0.3093)$

Have a look what the booklet for
Yxy(65.2688, 0.2715, 0.3093)
contains.

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Color

Yxy(65.4319, 0.2718, 0.3101)

Conversions

Conversions Part 1

Format	Color
Hex	ACDBEB
RGB	172, 219, 235
RGB Percent	67%, 86%, 92%
CMY	0.3253, 0.1412, 0.0783
CMYK	0.27, 0.07, 0.00, 0.08
HSL	195°, 61%, 80%
HSV	195°, 27%, 92%
XYZ	57.3505, 65.4319, 88.2202
YIQ	206.7710, -33.1480, -4.9880

Conversions

Conversions Part 2

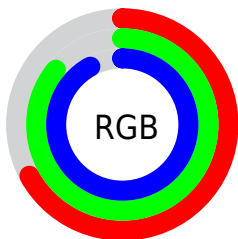
Format	Color
RYB	172, 199, 235
Decimal	11328491
CIELab	84.71, -11.57, -12.82
CIELCh	85, 17.268, 227.942
Yxy	65.4319, 0.2718, 0.3101
Android (android.graphics.Color)	4289518571 (0xFFACDBEB)
YUV	206.7710, 13.9169, -30.4942
Hunter-Lab	80.8900, -15.0021, -8.0398

Details

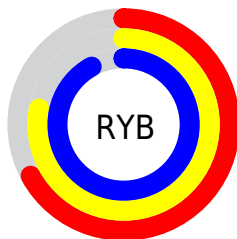
The Yxy color **65.4319, 0.2718, 0.3101** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **56.6481, 0.3659, 0.3471**, and the grayscale version is **62.1746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3980, 0.2970, 0.3290**, and **33.6571, 0.2622, 0.3055** is the 20% darker color. If you saturate the color by 10%, you get **59.9394, 0.2574, 0.3019**, and if you desaturate by 10%, it is **71.5122, 0.2868, 0.3177**.

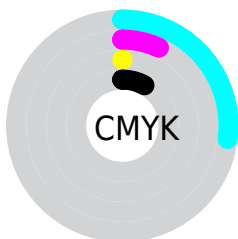
Distribution



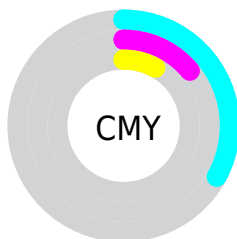
- Red (67%)
- Green (86%)
- Blue (92%)



- Red (67%)
- Yellow (78%)
- Blue (92%)



- Cyan (27%)
- Magenta (7%)
- Yellow (0%)
- Black (8%)





- Cyan (33%)
- Magenta (14%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.4319, 0.2718, 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 65.4319, 0.2718, 0.3101 by changing the saturation by 10% instead.

 65.4319, 0.2718,
0.3101

 65.4319, 0.2718,
0.3101


444.3424, 0.2908,
0.3193

 47.8114, 0.2674,
0.3079


 112.6706, 0.2784,
0.3134

 33.6775, 0.2620,
0.3051


143.0575, 0.2810,
0.3146

 22.6460, 0.2552,
0.3016


178.4687, 0.2832,
0.3157

 14.3323, 0.2463,
0.2967

219.2886, 0.2851,
0.3166

 8.3522, 0.2341,
0.2899

265.9015, 0.2868,
0.3174

 4.3211, 0.2166,
0.2797

318.6918, 0.2883,

 1.8548, 0.1896,

0.3181

0.2625

378.0440, 0.2896,
0.3187

0.5210, 0.0930,
0.2276

0.0000, 0.0000,
0.0000

65.4319, 0.2718,
0.3101

65.4319, 0.2718,
0.3101

59.9394, 0.2574,
0.3019

71.5122, 0.2868,
0.3177

55.0008, 0.2440,
0.2932

78.1964, 0.3022,
0.3247

50.5906, 0.2320,
0.2840

85.5098, 0.3177,
0.3309

46.6776, 0.2216,
0.2746

91.3152, 0.3255,
0.3367

■ 43.2266, 0.2131,
0.2650

■ 94.9534, 0.3249,
0.3425

■ 40.1966, 0.2066,
0.2554

■ 98.7095, 0.3244,
0.3482

■ 37.5357, 0.2021,
0.2460

■ 98.7795, 0.3244,
0.3483

■ 36.7339, 0.2008,
0.2429

Harmonies

Analogous

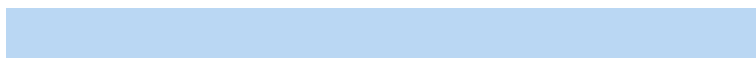
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



65.4319, 0.2786, 0.3291



65.4319, 0.2718, 0.3101



65.4319, 0.2754, 0.2971

Triad

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



65.4319, 0.2718, 0.3101



65.4319, 0.3306, 0.3102



65.4319, 0.3362, 0.3671

Complementary

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



65.4319, 0.2718, 0.3101



56.6481, 0.3659, 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.



65.4319, 0.3511, 0.3603



65.4319, 0.2718, 0.3101



65.4319, 0.3479, 0.3274

Square

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



65.4319, 0.2718, 0.3101



65.4319, 0.3088, 0.2978



65.4319, 0.3555, 0.3456



65.4319, 0.3154, 0.3631

Rectangle

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



65.4319, 0.2718, 0.3101



65.4319, 0.2834, 0.2933



65.4319, 0.3555, 0.3456



65.4319, 0.3421, 0.3659

Sweetspot

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



65.4345, 0.2718, 0.3101



93.0653, 0.3003, 0.3238



71.8280, 0.3000, 0.3862



19.6524, 0.2980, 0.3228



0.0000, 0.0000, 0.0000



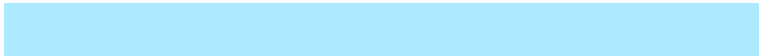
21.4041, 0.3127, 0.3290

Same Dimension

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



65.4345, 0.2718, 0.3101



75.1246, 0.2640, 0.3058



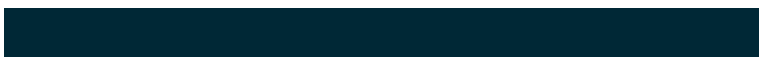
50.6544, 0.2681, 0.2718



16.4349, 0.2981, 0.3229



20.6547, 0.2012, 0.2445



1.7742, 0.2049, 0.2576

Inverse Universe

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



52.3046, 0.3289, 0.2783



57.2543, 0.3329, 0.2679



71.4556, 0.3573, 0.3803



15.2444, 0.3177, 0.3116



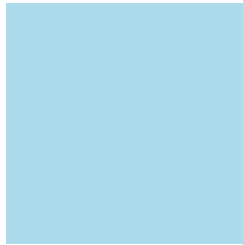
11.5779, 0.3978, 0.1965



0.9245, 0.3848, 0.1893

Previews

White Background



This preview shows how the Yxy color 65.4319, 0.2718, 0.3101 looks on a white background.

Color Contrast Check

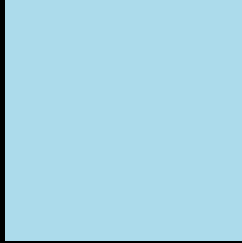
Large Text (above 18pt) WCAG AA × Fail

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 65.4319, 0.2718, 0.3101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

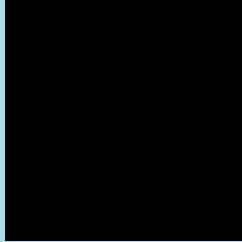
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.4319, 0.2718, 0.3101

Background



This preview shows how black text looks on a background with the Yxy color 65.4319, 0.2718, 0.3101.

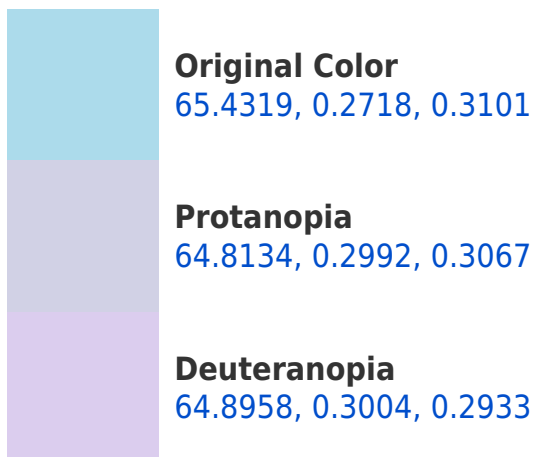


This preview shows how white text looks on a background with the Yxy color 65.4319, 0.2718, 0.3101.

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





Tritanopia

65.4898, 0.2712, 0.3090

Trichromacy



Original Color

65.4319, 0.2718, 0.3101

Protanomaly

65.0938, 0.2890, 0.3085

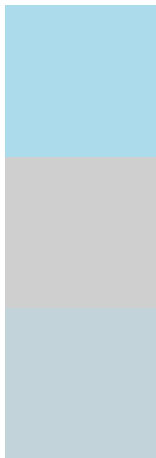
Deuteranomaly

64.7642, 0.2892, 0.2988

Tritanomaly

65.4898, 0.2712, 0.3090

Monochromacy



Original Color

65.4319, 0.2718, 0.3101

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.0676, 0.2964, 0.3219

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.4319, 0.2718, 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(172, 219, 235)` looks like.

```
.text, #text, p{  
    color:rgb(172, 219, 235)  
}
```

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(172, 219, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 219, 235) }
```

Border

The CSS property to change the border of an element to Yxy 65.4319, 0.2718, 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(172, 219, 235) }
```

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

```
.border{ border-color:rgb(172, 219, 235) }
```

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

Here you see how a box with a 4 pixel rgb(172, 219, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 219, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 219, 235);  
box-shadow:4px 4px 4px 4px rgb(172, 219,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 65.4319, 0.2718, 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(172, 219, 235) }
```

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

```
.background{ background-color: rgb(172,  
219, 235) }
```

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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