

Converting Colors

$Yxy(65.3723, 0.2731, 0.3232)$

Have a look what the booklet for
Yxy(65.3723, 0.2731, 0.3232)
contains.

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Color

Yxy(65.2032, 0.2729, 0.3229)

Conversions

Conversions Part 1

Format	Color
Hex	A5DDE2
RGB	165, 221, 226
RGB Percent	65%, 87%, 89%
CMY	0.3527, 0.1333, 0.1138
CMYK	0.27, 0.02, 0.00, 0.11
HSL	185°, 51%, 77%
HSV	185°, 27%, 89%
XYZ	55.1067, 65.2032, 81.6201
YIQ	204.8260, -34.9810, -10.3170

Conversions

Conversions Part 2

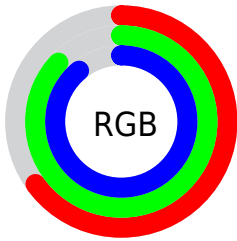
Format	Color
R _{YB}	165, 194, 226
Decimal	10870242
CIE _{Lab}	84.59, -16.64, -8.25
CIE _{LCh}	85, 18.578, 206.373
Yxy	65.2032, 0.2729, 0.3229
Android (android.graphics.Color)	4289060322 (0xFFA5DDE2)
YUV	204.8260, 10.4388, -34.9274
Hunter-Lab	80.7485, -19.4928, -3.4060

Details

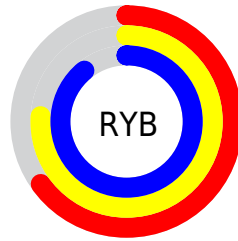
The Yxy color **65.2032, 0.2729, 0.3229** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **47.6494, 0.3694, 0.3350**, and the grayscale version is **60.8902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **33.5922, 0.2631, 0.3209** is the 20% darker color. If you saturate the color by 10%, you get **62.0203, 0.2600, 0.3203**, and if you desaturate by 10%, it is **68.8303, 0.2870, 0.3253**.

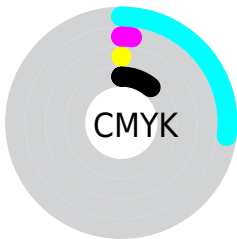
Distribution



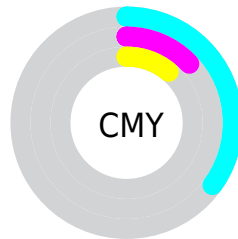
- Red (65%)
- Green (87%)
- Blue (89%)



- Red (65%)
- Yellow (76%)
- Blue (89%)



- Cyan (27%)
- Magenta (2%)
- Yellow (0%)
- Black (11%)





- Cyan (35%)
- Magenta (13%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.2032, 0.2729, 0.3229 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 65.2032, 0.2729, 0.3229 by changing the saturation by 10% instead.


 65.2032, 0.2729,
0.3229


 65.2032, 0.2729,
0.3229


443.5218, 0.2915,
0.3261

 47.6259, 0.2686,
0.3221


 112.3419, 0.2794,
0.3241

 33.5307, 0.2633,
0.3210


 142.6721, 0.2819,
0.3245

 22.5333, 0.2566,
0.3196

178.0221, 0.2840,
0.3249

 14.2493, 0.2478,
0.3177

218.7762, 0.2859,
0.3252

 8.2943, 0.2358,
0.3148

265.3188, 0.2875,
0.3255

 4.2838, 0.2183,
0.3100

318.0344, 0.2890,

 1.8336, 0.1911,

0.3257

0.3014

377.3072, 0.2903,
0.3259

■ 0.5080, 0.0444,
0.2946

■ 0.0000, 0.0000,
0.0000

■ 65.2032, 0.2729,
0.3229

■ 65.2032, 0.2729,
0.3229

■ 62.0203, 0.2600,
0.3203

■ 68.8303, 0.2870,
0.3253

■ 59.2512, 0.2484,
0.3177

■ 72.9146, 0.3020,
0.3276

■ 56.8739, 0.2386,
0.3149

■ 77.4783, 0.3175,
0.3296

■ 54.8610, 0.2306,
0.3121

■ 82.4551, 0.3329,
0.3315

■ 53.1817, 0.2246,
0.3092

■ 83.4809, 0.3327,
0.3333

■ 51.7998, 0.2205,
0.3064

■ 84.5175, 0.3325,
0.3351

■ 50.6684, 0.2180,
0.3037

■ 85.5652, 0.3322,
0.3369

■ 50.3505, 0.2175,
0.3028

■ 86.6238, 0.3320,
0.3388

■ 87.6935, 0.3318,
0.3406

Harmonies

Analogous

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



65.2032, 0.2874, 0.3448



65.2032, 0.2729, 0.3229



65.2032, 0.2687, 0.3038

Triad

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



65.2032, 0.2729, 0.3229



65.2032, 0.3152, 0.2985



65.2032, 0.3505, 0.3658

Complementary

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



65.2032, 0.2729, 0.3229



47.6494, 0.3694, 0.3350

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.



65.2032, 0.3588, 0.3518



65.2032, 0.2729, 0.3229



65.2032, 0.3380, 0.3136

Square

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



65.2032, 0.2729, 0.3229



65.2032, 0.2924, 0.2908



65.2032, 0.3542, 0.3328



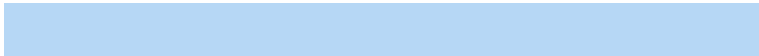
65.2032, 0.3321, 0.3701

Rectangle

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



65.2032, 0.2729, 0.3229



65.2032, 0.2722, 0.2952



65.2032, 0.3542, 0.3328



65.2032, 0.3546, 0.3620

Sweetspot

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



65.2058, 0.2729, 0.3229



95.2732, 0.3003, 0.3273



65.2579, 0.3066, 0.4011



20.2119, 0.2980, 0.3270



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.



65.2058, 0.2729, 0.3229



83.4815, 0.2659, 0.3216



50.9559, 0.2693, 0.2860



15.3703, 0.2982, 0.3270



28.8135, 0.2176, 0.3033



2.0547, 0.2188, 0.3075

Inverse Universe

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



48.3156, 0.3200, 0.2671



58.0980, 0.3216, 0.2551



59.9992, 0.3606, 0.3685



13.9153, 0.3150, 0.3078



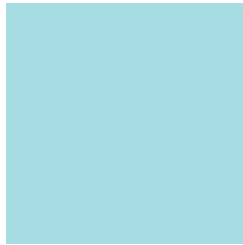
11.8168, 0.3425, 0.1661



0.8249, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 65.2032, 0.2729, 0.3229 looks on a white background.

Color Contrast Check

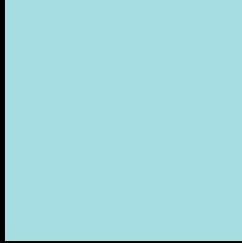
Large Text (above 18pt) WCAG AA × Fail

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 65.2032, 0.2729, 0.3229 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

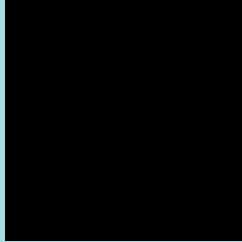
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 65.2032, 0.2729, 0.3229

Background



This preview shows how black text looks on a background with the Yxy color 65.2032, 0.2729, 0.3229.



This preview shows how white text looks on a background with the Yxy color 65.2032, 0.2729, 0.3229.

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

65.2032, 0.2729, 0.3229

Protanopia

64.7125, 0.3081, 0.3178

Deuteranopia

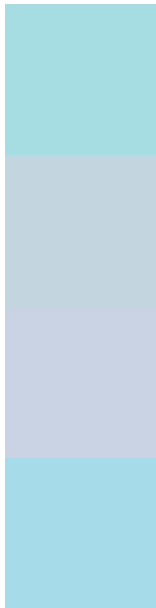
64.8494, 0.3087, 0.3029



Tritanopia

64.9930, 0.2677, 0.3077

Trichromacy



Original Color

65.2032, 0.2729, 0.3229

Protanomaly

64.4645, 0.2939, 0.3186

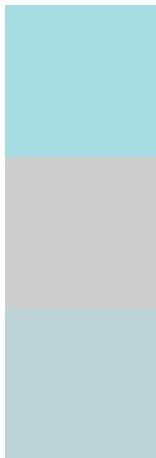
Deuteranomaly

64.6075, 0.2942, 0.3097

Tritanomaly

65.1766, 0.2695, 0.3135

Monochromacy



Original Color

65.2032, 0.2729, 0.3229

Achromatopsia

61.0496, 0.3127, 0.3290

Achromatomaly

62.3398, 0.2962, 0.3266

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.2032, 0.2729, 0.3229 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(165, 221, 226)` looks like.

```
.text, #text, p{  
    color:rgb(165, 221, 226)  
}
```

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(165, 221, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 221, 226) }
```

Border

The CSS property to change the border of an element to Yxy 65.2032, 0.2729, 0.3229 is called "border". The border property can be set on classes, ids or directly on the HTML element.

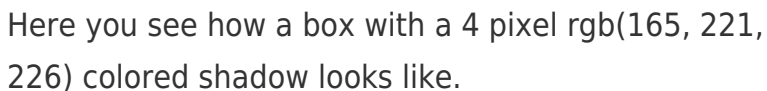
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(165, 221, 226) }
```

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

```
.border{ border-color:rgb(165, 221, 226) }
```

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



Here you see how a box with a 4 pixel `rgb(165, 221, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(165, 221, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(165, 221, 226); box-shadow:4px 4px 4px 4px rgb(165, 221, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 65.2032, 0.2729, 0.3229 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 221, 226) }
```

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

```
.background{ background-color: rgb(165,  
221, 226) }
```

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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