

Converting Colors

$Yxy(69.0365, 0.2715, 0.3277)$

Have a look what the booklet for
Yxy(69.0365, 0.2715, 0.3277)
contains.

Yxy(69.0365, 0.2715, 0.3277)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(69.0365, 0.2715, 0.3277)

Conversions

Conversions Part 1

Format	Color
Hex	A4E4E5
RGB	164, 228, 229
RGB Percent	64%, 89%, 90%
CMY	0.3568, 0.1059, 0.1020
CMYK	0.28, 0.00, 0.00, 0.10
HSL	181°, 56%, 77%
HSV	181°, 28%, 90%
XYZ	57.1969, 69.0365, 84.4365
YIQ	208.9780, -38.4650, -13.2570

Conversions

Conversions Part 2

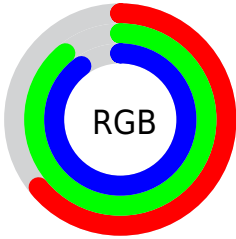
Format	Color
RYB	164, 196, 229
Decimal	10806501
CIELab	86.52, -19.77, -6.98
CIELCh	87, 20.971, 199.454
Yxy	69.0365, 0.2715, 0.3277
Android (android.graphics.Color)	4288996581 (0xFFA4E4E5)
YUV	208.9780, 9.8708, -39.4457
Hunter-Lab	83.0882, -22.5272, -2.0903

Details

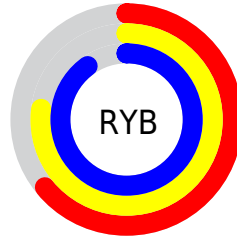
The Yxy color **69.0365, 0.2715, 0.3277** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **46.2504, 0.3748, 0.3303**, and the grayscale version is **63.7013, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **35.8760, 0.2617, 0.3257** is the 20% darker color. If you saturate the color by 10%, you get **66.6255, 0.2593, 0.3272**, and if you desaturate by 10%, it is **71.8921, 0.2851, 0.3282**.

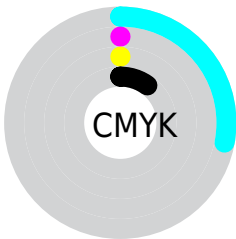
Distribution



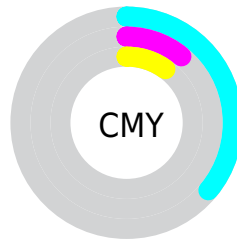
- Red (64%)
- Green (89%)
- Blue (90%)



- Red (64%)
- Yellow (77%)
- Blue (90%)



- Cyan (28%)
- Magenta (0%)
- Yellow (0%)
- Black (10%)




- Cyan (36%)
- Magenta (11%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.0365, 0.2715, 0.3277 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 69.0365, 0.2715, 0.3277 by changing the saturation by 10% instead.


 69.0365, 0.2715,
0.3277


 69.0365, 0.2715,
0.3277

457.1597, 0.2905,
0.3286

 50.7414, 0.2672,
0.3274

 117.8337, 0.2781,
0.3281

 36.0029, 0.2618,
0.3270


 149.1046, 0.2807,
0.3282

 24.4364, 0.2551,
0.3265


185.4697, 0.2829,
0.3283

 15.6577, 0.2463,
0.3257

227.3131, 0.2848,
0.3284

 9.2822, 0.2343,
0.3243

275.0195, 0.2865,
0.3285

 4.9257, 0.2173,
0.3220

328.9731, 0.2880,

 2.2038, 0.1912,

0.3285

0.3174

389.5584, 0.2893,
0.3286

0.7220, 0.0911,
0.3231

0.0000, 0.0000,
0.0000

69.0365, 0.2715,
0.3277

69.0365, 0.2715,
0.3277

66.6255, 0.2593,
0.3272

71.8921, 0.2851,
0.3282

64.6273, 0.2487,
0.3267


75.2057, 0.2998,
0.3286

63.0187, 0.2399,
0.3262


79.0005, 0.3153,
0.3291

61.7713, 0.2330,
0.3256


83.1797, 0.3308,
0.3295

 60.8525, 0.2281,
0.3251


 83.3742, 0.3307,
0.3298


 60.2239, 0.2251,
0.3246


 83.5691, 0.3307,
0.3302

 59.8299, 0.2235,
0.3241

 83.7644, 0.3307,
0.3305

 59.7751, 0.2234,
0.3240

 83.9601, 0.3306,
0.3308

 84.1562, 0.3306,
0.3312

Harmonies

Analogous

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



69.0365, 0.2897, 0.3517



69.0365, 0.2715, 0.3277



69.0365, 0.2641, 0.3053

Triad

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



69.0365, 0.2715, 0.3277



69.0365, 0.3093, 0.2926



69.0365, 0.3578, 0.3668

Complementary

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



69.0365, 0.2715, 0.3277



46.2504, 0.3748, 0.3303

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.



69.0365, 0.3639, 0.3495



69.0365, 0.2715, 0.3277



69.0365, 0.3352, 0.3076

Square

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



69.0365, 0.2715, 0.3277



69.0365, 0.2852, 0.2863



69.0365, 0.3555, 0.3280



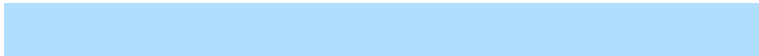
69.0365, 0.3395, 0.3747

Rectangle

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



69.0365, 0.2715, 0.3277



69.0365, 0.2660, 0.2944



69.0365, 0.3555, 0.3280



69.0365, 0.3614, 0.3619

Sweetspot

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



69.0393, 0.2715, 0.3277



95.6804, 0.2988, 0.3286



66.6116, 0.3089, 0.4112



20.3403, 0.2966, 0.3285



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.



69.0393, 0.2715, 0.3277



86.2545, 0.2642, 0.3274



53.2583, 0.2674, 0.2889



16.2965, 0.2982, 0.3286



34.1948, 0.2234, 0.3241



2.5391, 0.2236, 0.3248

Inverse Universe

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



48.8140, 0.3168, 0.2595



56.5110, 0.3177, 0.2455



59.0460, 0.3649, 0.3660



14.6112, 0.3140, 0.3062



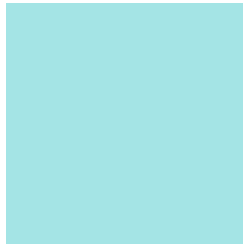
12.6497, 0.3248, 0.1563



0.9360, 0.3242, 0.1559

Previews

White Background



This preview shows how the Yxy color 69.0365, 0.2715, 0.3277 looks on a white background.

Color Contrast Check

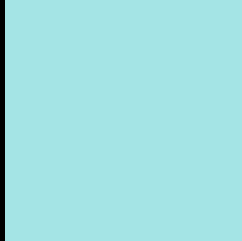
Large Text (above 18pt) WCAG AA × Fail

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 69.0365, 0.2715, 0.3277 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

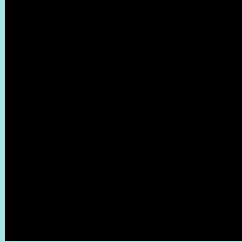
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.0365, 0.2715, 0.3277

Background



This preview shows how black text looks on a background with the Yxy color 69.0365, 0.2715, 0.3277.

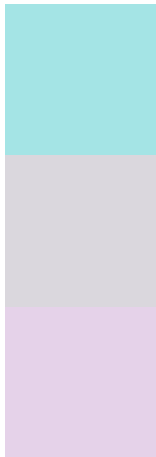


This preview shows how white text looks on a background with the Yxy color 69.0365, 0.2715, 0.3277.

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

69.0365, 0.2715, 0.3277

Protanopia

68.7268, 0.3109, 0.3224

Deuteranopia

68.6344, 0.3109, 0.3046



Tritanopia

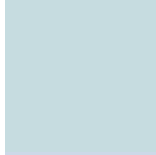
69.1399, 0.2650, 0.3081

Trichromacy



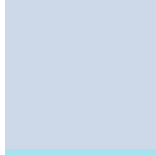
Original Color

69.0365, 0.2715, 0.3277



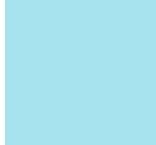
Protanomaly

68.5740, 0.2949, 0.3244



Deuteranomaly

68.4310, 0.2946, 0.3123



Tritanomaly

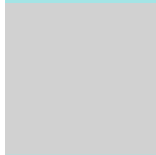
69.2772, 0.2672, 0.3149

Monochromacy



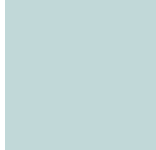
Original Color

69.0365, 0.2715, 0.3277



Achromatopsia

63.7597, 0.3127, 0.3290



Achromatomaly

65.4071, 0.2964, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0365, 0.2715, 0.3277 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(164, 228, 229)` looks like.

```
.text, #text, p{  
    color:rgb(164, 228, 229)  
}
```

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(164, 228, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 228, 229) }
```

Border

The CSS property to change the border of an element to Yxy 69.0365, 0.2715, 0.3277 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(164, 228, 229) }
```

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

```
.border{ border-color:rgb(164, 228, 229) }
```

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

Here you see how a box with a 4 pixel rgb(164, 228, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 228, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 228, 229);  
box-shadow:4px 4px 4px 4px rgb(164, 228,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0365, 0.2715, 0.3277 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 228, 229) }
```

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

```
.background{ background-color: rgb(164,  
228, 229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor