

Converting Colors

$Yxy(69.7495, 0.2732, 0.3323)$

Have a look what the booklet for
Yxy(69.7495, 0.2732, 0.3323)
contains.

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Color

Yxy(69.4772, 0.2727, 0.3313)

Conversions

Conversions Part 1

Format	Color
Hex	A4E5E3
RGB	164, 229, 227
RGB Percent	64%, 90%, 89%
CMY	0.3569, 0.1019, 0.1099
CMYK	0.28, 0.00, 0.01, 0.10
HSL	178°, 56%, 77%
HSV	178°, 28%, 90%
XYZ	57.1881, 69.4772, 83.0455
YIQ	209.3370, -38.0980, -14.4020

Conversions

Conversions Part 2

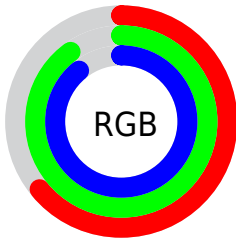
Format	Color
RYB	164, 197, 229
Decimal	10806755
CIELab	86.74, -20.73, -5.59
CIELCh	87, 21.475, 195.101
Yxy	69.4772, 0.2727, 0.3313
Android (android.graphics.Color)	4288996835 (0xFFA4E5E3)
YUV	209.3370, 8.7079, -39.7605
Hunter-Lab	83.3530, -23.3996, -0.7242

Details

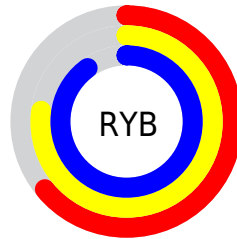
The Yxy color **69.4772, 0.2727, 0.3313** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.9601, 0.3731, 0.3268**, and the grayscale version is **63.9512, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **36.1807, 0.2632, 0.3304** is the 20% darker color. If you saturate the color by 10%, you get **67.2195, 0.2609, 0.3322**, and if you desaturate by 10%, it is **72.1793, 0.2859, 0.3304**.

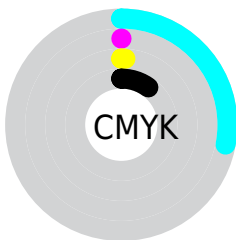
Distribution



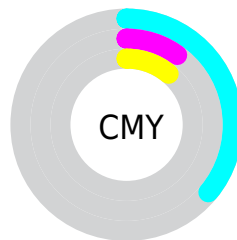
- Red (64%)
- Green (90%)
- Blue (89%)



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



- Cyan (28%)
- Magenta (0%)
- Yellow (1%)
- Black (10%)




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

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.4772, 0.2727, 0.3313 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 69.4772, 0.2727, 0.3313 by changing the saturation by 10% instead.

 69.4772, 0.2727,
0.3313


 69.4772, 0.2727,
0.3313

458.7122, 0.2912,
0.3305

 51.1004, 0.2685,
0.3314


 118.4629, 0.2791,
0.3311

 36.2885, 0.2633,
0.3315


 149.8406, 0.2816,
0.3310

 24.6571, 0.2567,
0.3316


186.3208, 0.2837,
0.3309

 15.8218, 0.2482,
0.3317

228.2878, 0.2856,
0.3308

 9.3981, 0.2366,
0.3316

276.1261, 0.2873,
0.3307

 5.0018, 0.2199,
0.3311

330.2200, 0.2887,

 2.2483, 0.1944,

0.3306

390.9539, 0.2900,
0.3306

0.3294

0.7461, 0.0934,
0.3434

0.0000, 0.0000,
0.0000

69.4772, 0.2727,
0.3313

69.4772, 0.2727,
0.3313

67.2195, 0.2609,
0.3322

72.1793, 0.2859,
0.3304

65.3743, 0.2507,
0.3332

75.3393, 0.3001,
0.3296

63.9186, 0.2423,
0.3342

78.9803, 0.3152,
0.3289

62.8238, 0.2358,
0.3352

83.0091, 0.3303,
0.3282

■ 62.0574, 0.2313,
0.3363

■ 83.0496, 0.3298,
0.3275

■ 61.5809, 0.2286,
0.3373

■ 83.0902, 0.3293,
0.3268

■ 61.3387, 0.2275,
0.3383

■ 83.1310, 0.3288,
0.3261

■ 61.3088, 0.2274,
0.3385

■ 83.1719, 0.3283,
0.3254

■ 83.2131, 0.3279,
0.3247

Harmonies

Analogous

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



69.4772, 0.2926, 0.3555



69.4772, 0.2727, 0.3313



69.4772, 0.2634, 0.3077

Triad

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



69.4772, 0.2727, 0.3313



69.4772, 0.3053, 0.2903



69.4772, 0.3606, 0.3655

Complementary

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



69.4772, 0.2727, 0.3313



45.9601, 0.3731, 0.3268

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.



69.4772, 0.3647, 0.3468



69.4772, 0.2727, 0.3313



69.4772, 0.3320, 0.3045

Square

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



69.4772, 0.2727, 0.3313



69.4772, 0.2816, 0.2853



69.4772, 0.3541, 0.3248



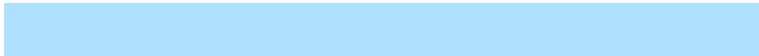
69.4772, 0.3434, 0.3753

Rectangle

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



69.4772, 0.2727, 0.3313



69.4772, 0.2641, 0.2956



69.4772, 0.3541, 0.3248



69.4772, 0.3636, 0.3600

Sweetspot

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



69.4800, 0.2727, 0.3313



95.8578, 0.2992, 0.3297



66.8481, 0.3103, 0.4109



20.3844, 0.2970, 0.3298



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.



69.4800, 0.2727, 0.3313



86.9237, 0.2657, 0.3318



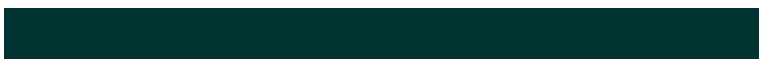
54.2422, 0.2677, 0.2916



16.3282, 0.2986, 0.3297



35.0532, 0.2273, 0.3383



2.5928, 0.2269, 0.3368

Inverse Universe

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



45.9601, 0.3731, 0.3268



52.3173, 0.3908, 0.3264



58.0708, 0.3656, 0.3636



14.3753, 0.3288, 0.3283



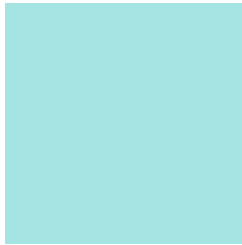
9.5365, 0.6366, 0.3281



0.7073, 0.6270, 0.3228

Previews

White Background



This preview shows how the Yxy color 69.4772, 0.2727, 0.3313 looks on a white background.

Color Contrast Check

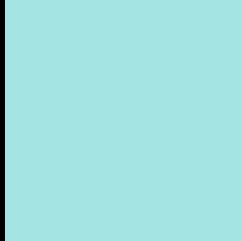
Large Text (above 18pt) WCAG AA × Fail

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 69.4772, 0.2727, 0.3313 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

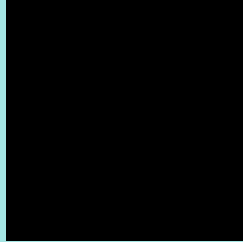
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.4772, 0.2727, 0.3313

Background



This preview shows how black text looks on a background with the Yxy color 69.4772, 0.2727, 0.3313.

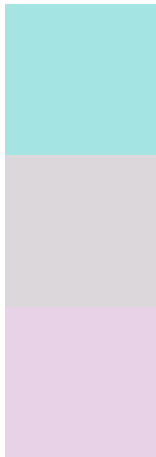


This preview shows how white text looks on a background with the Yxy color 69.4772, 0.2727, 0.3313.

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

69.4772, 0.2727, 0.3313

Protanopia

68.7754, 0.3129, 0.3246

Deuteranopia

68.8516, 0.3138, 0.3067



Tritanopia

69.2492, 0.2655, 0.3081

Trichromacy



Original Color

69.4772, 0.2727, 0.3313

Protanomaly

68.6024, 0.2968, 0.3267

Deuteranomaly

68.6043, 0.2972, 0.3145

Tritanomaly

69.3267, 0.2683, 0.3161

Monochromacy



Original Color

69.4772, 0.2727, 0.3313

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 69.4772, 0.2727, 0.3313 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, 229, 227)` looks like.

```
.text, #text, p{  
    color:rgb(164, 229, 227)  
}
```

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, 229, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 229, 227) }
```

Border

The CSS property to change the border of an element to Yxy 69.4772, 0.2727, 0.3313 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, 229, 227) }
```

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

```
.border{ border-color:rgb(164, 229, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 229, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 229, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 229, 227);  
box-shadow:4px 4px 4px 4px rgb(164, 229,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 69.4772, 0.2727, 0.3313 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 229, 227) }
```

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

```
.background{ background-color: rgb(164,  
229, 227) }
```

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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