

Converting Colors

$Yxy(69.5053, 0.2657, 0.3160)$

Have a look what the booklet for
Yxy(69.5053, 0.2657, 0.3160)
contains.

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Color

Yxy(69.5053, 0.2657, 0.3160)

Conversions

Conversions Part 1

Format	Color
Hex	A3E4EF
RGB	163, 228, 239
RGB Percent	64%, 89%, 94%
CMY	0.3604, 0.1059, 0.0627
CMYK	0.32, 0.05, 0.00, 0.06
HSL	189°, 70%, 79%
HSV	189°, 32%, 94%
XYZ	58.4416, 69.5053, 92.0065
YIQ	209.8190, -42.2710, -10.3590

Conversions

Conversions Part 2

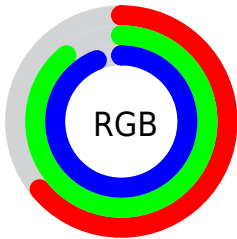
Format	Color
RYB	163, 198, 239
Decimal	10740975
CIELab	86.75, -17.73, -11.92
CIELCh	87, 21.366, 213.911
Yxy	69.5053, 0.2657, 0.3160
Android (android.graphics.Color)	4288931055 (0xFFFA3E4EF)
YUV	209.8190, 14.3862, -41.0603
Hunter-Lab	83.3698, -20.7700, -7.0733

Details

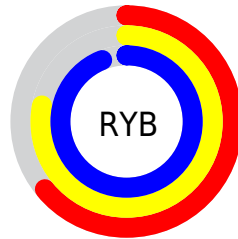
The Yxy color **69.5053, 0.2657, 0.3160** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **51.3163, 0.3818, 0.3415**, and the grayscale version is **64.2615, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9556, 0.2917, 0.3289**, and **36.1121, 0.2546, 0.3118** is the 20% darker color. If you saturate the color by 10%, you get **65.3267, 0.2528, 0.3113**, and if you desaturate by 10%, it is **74.2046, 0.2797, 0.3205**.

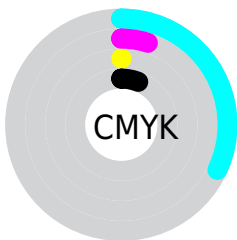
Distribution



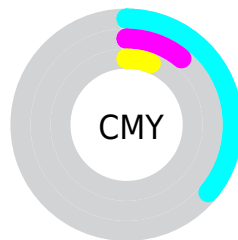
- Red (64%)
- Green (89%)
- Blue (94%)



- Red (64%)
- Yellow (78%)
- Blue (94%)



- Cyan (32%)
- Magenta (5%)
- Yellow (0%)
- Black (6%)



- Cyan (36%)
- Magenta (11%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.5053, 0.2657, 0.3160 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 69.5053, 0.2657, 0.3160 by changing the saturation by 10% instead.

69.5053, 0.2657,
0.3160

69.5053, 0.2657,
0.3160

458.8111, 0.2873,
0.3225

51.1233, 0.2608,
0.3144

118.5030, 0.2731,
0.3183

36.3068, 0.2548,
0.3124

149.8875, 0.2761,
0.3192

24.6712, 0.2473,
0.3098

186.3751, 0.2786,
0.3200

15.8323, 0.2375,
0.3062

228.3499, 0.2808,
0.3206

9.4055, 0.2244,
0.3012

276.1966, 0.2827,
0.3212

5.0066, 0.2058,
0.2934

330.2994, 0.2844,

2.2512, 0.1780,

0.3216

0.2801

391.0428, 0.2859,
0.3221

0.7477, 0.0976,
0.2626

0.0000, 0.0000,
0.0000

69.5053, 0.2657,
0.3160

69.5053, 0.2657,
0.3160

65.3267, 0.2528,
0.3113

74.2046, 0.2797,
0.3205

61.6334, 0.2413,
0.3063

79.4414, 0.2946,
0.3246

58.3983, 0.2316,
0.3012

85.2418, 0.3100,
0.3284

55.5881, 0.2237,
0.2960

90.9206, 0.3231,
0.3318

■ 53.1645, 0.2177,
0.2908

■ 93.0052, 0.3228,
0.3352

■ 51.0814, 0.2137,
0.2857

■ 95.1292, 0.3225,
0.3385

■ 49.5624, 0.2115,
0.2815

■ 97.2928, 0.3222,
0.3418

■ 99.0128, 0.3220,
0.3444

Harmonies

Analogous

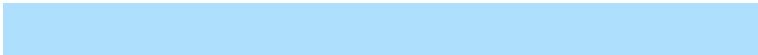
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.5053, 0.2792, 0.3406



69.5053, 0.2657, 0.3160



69.5053, 0.2642, 0.2964

Triad

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



69.5053, 0.2657, 0.3160



69.5053, 0.3221, 0.2984



69.5053, 0.3509, 0.3728

Complementary

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



69.5053, 0.2657, 0.3160



51.3163, 0.3818, 0.3415

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.



69.5053, 0.3636, 0.3592



69.5053, 0.2657, 0.3160



69.5053, 0.3467, 0.3168

Square

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



69.5053, 0.2657, 0.3160



69.5053, 0.2959, 0.2874



69.5053, 0.3621, 0.3387



69.5053, 0.3281, 0.3746

Rectangle

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



69.5053, 0.2657, 0.3160



69.5053, 0.2701, 0.2886



69.5053, 0.3621, 0.3387



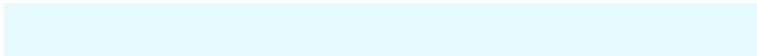
69.5053, 0.3565, 0.3694

Sweetspot

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



69.5081, 0.2657, 0.3160



93.1403, 0.2972, 0.3253



72.5620, 0.3027, 0.4101



19.7410, 0.2951, 0.3247



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.



69.5081, 0.2657, 0.3160



77.3669, 0.2573, 0.3130



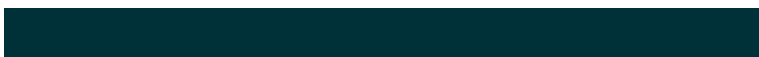
51.2578, 0.2602, 0.2704



17.5148, 0.2981, 0.3255



27.5363, 0.2118, 0.2823



2.3965, 0.2136, 0.2890

Inverse Universe

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



50.1788, 0.3255, 0.2604



52.0944, 0.3287, 0.2469



67.6754, 0.3693, 0.3812



15.9896, 0.3160, 0.3091



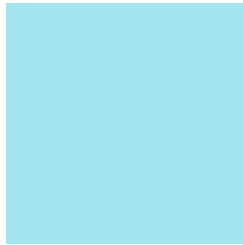
12.5732, 0.3614, 0.1764



1.0566, 0.3552, 0.1730

Previews

White Background



This preview shows how the Yxy color 69.5053, 0.2657, 0.3160 looks on a white background.

Color Contrast Check

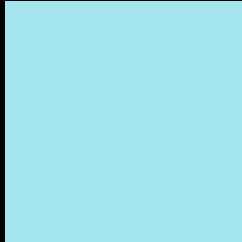
Large Text (above 18pt) WCAG AA × Fail

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 69.5053, 0.2657, 0.3160 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

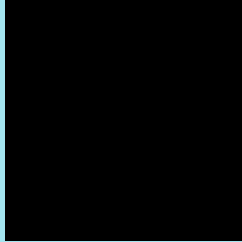
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.5053, 0.2657, 0.3160

Background



This preview shows how black text looks on a background with the Yxy color 69.5053, 0.2657, 0.3160.

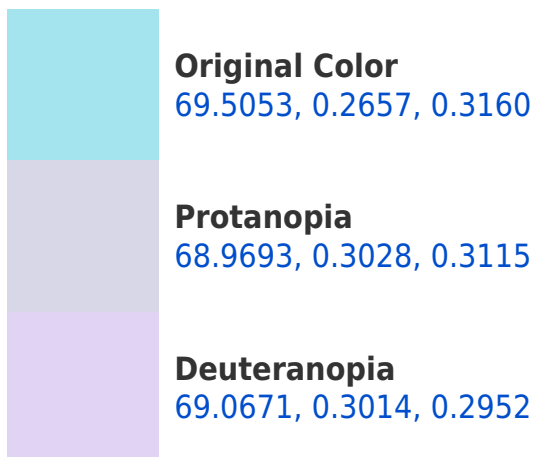


This preview shows how white text looks on a background with the Yxy color 69.5053, 0.2657, 0.3160.

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

69.5301, 0.2635, 0.3081

Trichromacy



Original Color

69.5053, 0.2657, 0.3160

Protanomaly

68.9972, 0.2881, 0.3132

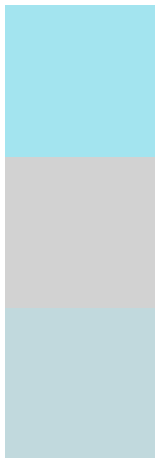
Deuteranomaly

68.5931, 0.2865, 0.3014

Tritanomaly

69.3017, 0.2640, 0.3103

Monochromacy



Original Color

69.5053, 0.2657, 0.3160

Achromatopsia

64.4480, 0.3127, 0.3290

Achromatomaly

66.1836, 0.2933, 0.3243

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.5053, 0.2657, 0.3160 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(163, 228, 239)` looks like.

```
.text, #text, p{  
    color:rgb(163, 228, 239)  
}
```

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(163, 228, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 228, 239) }
```

Border

The CSS property to change the border of an element to Yxy 69.5053, 0.2657, 0.3160 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(163, 228, 239) }
```

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

```
.border{ border-color:rgb(163, 228, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 228, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 228, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 228, 239);  
box-shadow:4px 4px 4px 4px rgb(163, 228,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 69.5053, 0.2657, 0.3160 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 228, 239) }
```

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

```
.background{ background-color: rgb(163,  
228, 239) }
```

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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