

Converting Colors

$Yxy(68.9067, 0.2562, 0.3388)$

Have a look what the booklet for
Yxy(68.9067, 0.2562, 0.3388)
contains.

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Color

Yxy(69.0038, 0.2562, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	81EAE2
RGB	129, 234, 226
RGB Percent	51%, 92%, 89%
CMY	0.4944, 0.0823, 0.1137
CMYK	0.45, 0.00, 0.03, 0.08
HSL	175°, 71%, 71%
HSV	175°, 45%, 92%
XYZ	52.1960, 69.0038, 82.5316
YIQ	201.6930, -60.0120, -24.7480

Conversions

Conversions Part 2

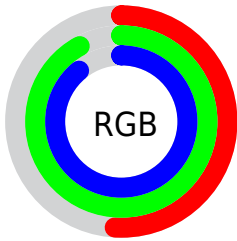
Format	Color
RYB	129, 184, 234
Decimal	8514274
CIELab	86.51, -32.38, -5.62
CIElCh	87, 32.868, 189.846
Yxy	69.0038, 0.2562, 0.3387
Android (android.graphics.Color)	4286704354 (0xFF81EAE2)
YUV	201.6930, 11.9834, -63.7518
Hunter-Lab	83.0685, -33.2098, -0.7588

Details

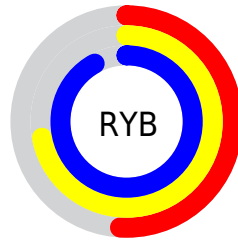
The Yxy color **69.0038, 0.2562, 0.3387** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.9781, 0.4238, 0.3203**, and the grayscale version is **58.8040, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **36.0463, 0.2429, 0.3404** is the 20% darker color. If you saturate the color by 10%, you get **67.2831, 0.2475, 0.3412**, and if you desaturate by 10%, it is **71.1504, 0.2666, 0.3363**.

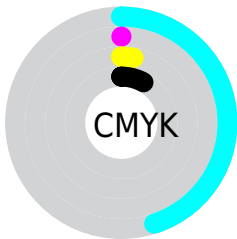
Distribution



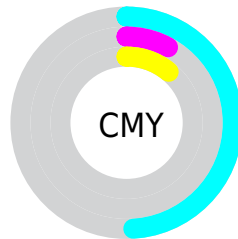
- Red (51%)
- Green (92%)
- Blue (89%)



- Red (51%)
- Yellow (72%)
- Blue (92%)



- Cyan (45%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)




- Cyan (49%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 69.0038, 0.2562, 0.3387 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 69.0038, 0.2562, 0.3387 by changing the saturation by 10% instead.


 69.0038, 0.2562,
0.3387


 69.0038, 0.2562,
0.3387


457.0444, 0.2822,
0.3346

 50.7148, 0.2503,
0.3395


 117.7870, 0.2652,
0.3374

 35.9817, 0.2430,
0.3405


 149.0500, 0.2687,
0.3368

 24.4201, 0.2339,
0.3417


 185.4065, 0.2717,
0.3363

 15.6455, 0.2220,
0.3430

227.2408, 0.2744,
0.3359

 9.2737, 0.2060,
0.3445

274.9373, 0.2767,
0.3355

 4.9201, 0.1835,
0.3461

328.8805, 0.2788,

 2.2005, 0.1499,

0.3352

0.3469

389.4547, 0.2806,
0.3349

0.7202, 0.0000,
0.3764

0.0000, 0.0000,
0.0000

69.0038, 0.2562,
0.3387

69.0038, 0.2562,
0.3387

67.2831, 0.2475,
0.3412

71.1504, 0.2666,
0.3363

65.9512, 0.2406,
0.3438


73.7410, 0.2785,
0.3340


64.9780, 0.2357,
0.3464


76.8027, 0.2916,
0.3319


64.3255, 0.2328,
0.3490


80.3576, 0.3056,
0.3299


 63.9470, 0.2315,
0.3515

 84.4269, 0.3202,
0.3281

 63.8223, 0.2313,
0.3528

 86.2106, 0.3253,
0.3264

 86.3150, 0.3241,
0.3247

 86.4204, 0.3230,
0.3229

 86.5269, 0.3218,
0.3212

Harmonies

Analogous

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



69.0038, 0.2878, 0.3763



69.0038, 0.2562, 0.3387



69.0038, 0.2398, 0.3009

Triad

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



69.0038, 0.2562, 0.3387



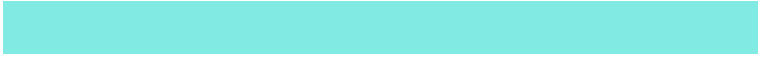
69.0038, 0.2940, 0.2690



69.0038, 0.3888, 0.3791

Complementary

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



69.0038, 0.2562, 0.3387



34.9781, 0.4238, 0.3203

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.



69.0038, 0.3916, 0.3488



69.0038, 0.2562, 0.3387



69.0038, 0.3349, 0.2877

Square

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



69.0038, 0.2562, 0.3387



69.0038, 0.2604, 0.2638



69.0038, 0.3715, 0.3161



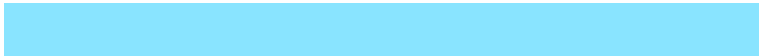
69.0038, 0.3647, 0.3987

Rectangle

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



69.0038, 0.2562, 0.3387



69.0038, 0.2388, 0.2816



69.0038, 0.3715, 0.3161



69.0038, 0.3923, 0.3697

Sweetspot

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



69.0065, 0.2562, 0.3387



94.0845, 0.2941, 0.3315



65.8123, 0.3113, 0.4676



19.9452, 0.2911, 0.3319



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.



69.0065, 0.2562, 0.3387



81.8862, 0.2480, 0.3410



47.5267, 0.2425, 0.2721



17.1010, 0.2991, 0.3308



35.8683, 0.2312, 0.3524



2.8224, 0.2302, 0.3489

Inverse Universe

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



34.9781, 0.4238, 0.3203



35.6052, 0.4615, 0.3190



48.8535, 0.4091, 0.3786



15.0726, 0.3281, 0.3272



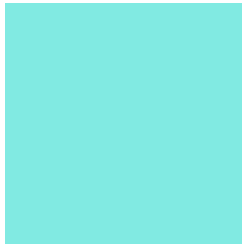
9.8609, 0.6317, 0.3254



0.7808, 0.6108, 0.3138

Previews

White Background



This preview shows how the Yxy color 69.0038, 0.2562, 0.3387 looks on a white background.

Color Contrast Check

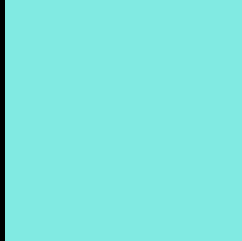
Large Text (above 18pt) WCAG AA × Fail

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 69.0038, 0.2562, 0.3387 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

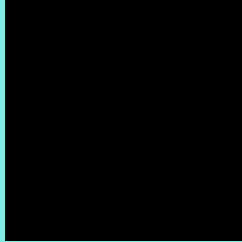
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

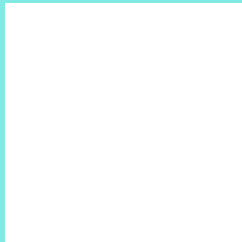
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 69.0038, 0.2562, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 69.0038, 0.2562, 0.3387.

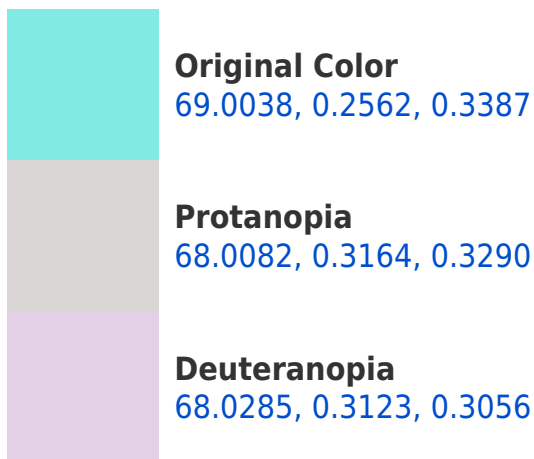


This preview shows how white text looks on a background with the Yxy color 69.0038, 0.2562, 0.3387.

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

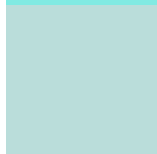
69.2256, 0.2480, 0.3075

Trichromacy



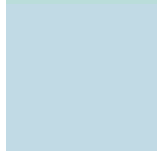
Original Color

69.0038, 0.2562, 0.3387



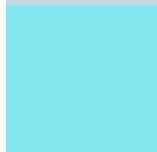
Protanomaly

67.2140, 0.2906, 0.3324



Deuteranomaly

67.1374, 0.2884, 0.3164



Tritanomaly

69.0506, 0.2506, 0.3180

Monochromacy



Original Color

69.0038, 0.2562, 0.3387



Achromatopsia

59.0619, 0.3127, 0.3290



Achromatomaly

61.9102, 0.2873, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.0038, 0.2562, 0.3387 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(129, 234, 226)` looks like.

```
.text, #text, p{  
    color:rgb(129, 234, 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(129, 234, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 234, 226) }
```

Border

The CSS property to change the border of an element to Yxy 69.0038, 0.2562, 0.3387 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(129, 234, 226) }
```

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

```
.border{ border-color:rgb(129, 234, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 234, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 234, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 234, 226);  
box-shadow:4px 4px 4px 4px rgb(129, 234,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 69.0038, 0.2562, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 234, 226) }
```

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

```
.background{ background-color: rgb(129,  
234, 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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