

Converting Colors

$Yxy(69.6216, 0.2563, 0.3276)$

Have a look what the booklet for
Yxy(69.6216, 0.2563, 0.3276)
contains.

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Color

Yxy(69.6216, 0.2563, 0.3276)

Conversions

Conversions Part 1

Format	Color
Hex	8AE9EA
RGB	138, 233, 234
RGB Percent	54%, 91%, 92%
CMY	0.4590, 0.0862, 0.0822
CMYK	0.41, 0.00, 0.00, 0.08
HSL	181°, 70%, 73%
HSV	181°, 41%, 92%
XYZ	54.4689, 69.6216, 88.4296
YIQ	204.7090, -56.9410, -19.8290

Conversions

Conversions Part 2

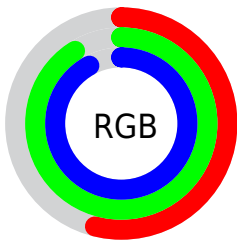
Format	Color
R_{YB}	138, 186, 234
Decimal	9103850
CIE Lab	86.81, -27.84, -9.34
CIE LCh	87, 29.364, 198.544
Yxy	69.6216, 0.2563, 0.3276
Android (android.graphics.Color)	4287293930 (0xFF8AE9EA)
YUV	204.7090, 14.4405, -58.5038
Hunter-Lab	83.4396, -29.4953, -4.4281

Details

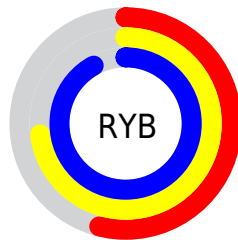
The Yxy color **69.6216, 0.2563, 0.3276** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **37.7902, 0.4176, 0.3305**, and the grayscale version is **60.7860, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **36.3641, 0.2435, 0.3272** is the 20% darker color. If you saturate the color by 10%, you get **67.6987, 0.2462, 0.3272**, and if you desaturate by 10%, it is **71.9801, 0.2681, 0.3280**.

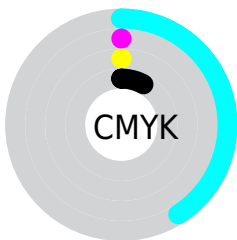
Distribution



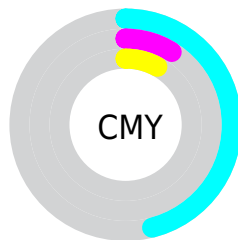
- Red (54%)
- Green (91%)
- Blue (92%)



- Red (54%)
- Yellow (73%)
- Blue (92%)



- Cyan (41%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)





- Cyan (46%)
- Magenta (9%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.6216, 0.2563, 0.3276 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 69.6216, 0.2563, 0.3276 by changing the saturation by 10% instead.


 69.6216, 0.2563,
0.3276


 69.6216, 0.2563,
0.3276

459.2203, 0.2822,
0.3288

 51.2181, 0.2505,
0.3272


 118.6690, 0.2652,
0.3281

 36.3822, 0.2433,
0.3266


 150.0816, 0.2687,
0.3283

 24.7295, 0.2343,
0.3258


186.5995, 0.2717,
0.3284

 15.8757, 0.2227,
0.3245

228.6069, 0.2743,
0.3285

 9.4362, 0.2072,
0.3224

276.4883, 0.2766,
0.3286

 5.0268, 0.1854,
0.3186

330.6281, 0.2787,

 2.2630, 0.1532,

0.3287

0.3111

391.4106, 0.2805,
0.3288

0.7540, 0.0157,
0.3195

0.0000, 0.0000,
0.0000

69.6216, 0.2563,
0.3276

69.6216, 0.2563,
0.3276

67.6987, 0.2462,
0.3272

71.9801, 0.2681,
0.3280

66.1754, 0.2380,
0.3269


74.7915, 0.2813,
0.3283


65.0232, 0.2317,
0.3265


78.0818, 0.2958,
0.3287

64.2064, 0.2274,
0.3261

81.8731, 0.3111,
0.3290


 63.6822, 0.2249,
0.3258


 86.1856, 0.3269,
0.3293

 63.3984, 0.2238,
0.3255

 86.3326, 0.3269,
0.3295

 86.4746, 0.3269,
0.3298

 86.6168, 0.3269,
0.3300

 86.7593, 0.3269,
0.3302

Harmonies

Analogous

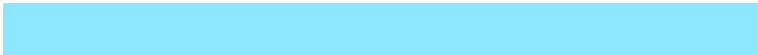
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



69.6216, 0.2813, 0.3621



69.6216, 0.2563, 0.3276



69.6216, 0.2460, 0.2961

Triad

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



69.6216, 0.2563, 0.3276



69.6216, 0.3064, 0.2788



69.6216, 0.3761, 0.3805

Complementary

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



69.6216, 0.2563, 0.3276



37.7902, 0.4176, 0.3305

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.



69.6216, 0.3844, 0.3555



69.6216, 0.2563, 0.3276



69.6216, 0.3429, 0.2987

Square

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



69.6216, 0.2563, 0.3276



69.6216, 0.2736, 0.2704



69.6216, 0.3721, 0.3261



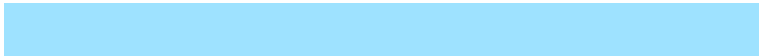
69.6216, 0.3505, 0.3931

Rectangle

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



69.6216, 0.2563, 0.3276



69.6216, 0.2482, 0.2811



69.6216, 0.3721, 0.3261



69.6216, 0.3811, 0.3731

Sweetspot

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



69.6243, 0.2563, 0.3276



94.4441, 0.2943, 0.3286



66.0954, 0.3068, 0.4557



20.0970, 0.2923, 0.3286



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.



69.6243, 0.2563, 0.3276



82.6460, 0.2479, 0.3273



46.4570, 0.2466, 0.2671



17.0928, 0.2981, 0.3287



35.6294, 0.2238, 0.3255



2.8066, 0.2239, 0.3260

Inverse Universe

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



41.5460, 0.3183, 0.2291



44.3734, 0.3194, 0.2113



54.4461, 0.3946, 0.3831



15.3109, 0.3140, 0.3060



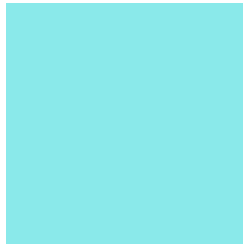
13.0896, 0.3236, 0.1556



1.0287, 0.3232, 0.1554

Previews

White Background



This preview shows how the Yxy color 69.6216, 0.2563, 0.3276 looks on a white background.

Color Contrast Check

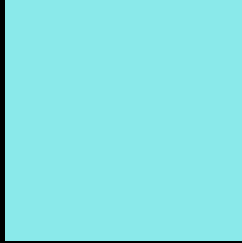
Large Text (above 18pt) WCAG AA × Fail

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 69.6216, 0.2563, 0.3276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

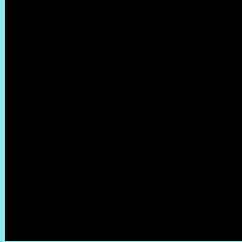
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 69.6216, 0.2563, 0.3276

Background



This preview shows how black text looks on a background with the Yxy color 69.6216, 0.2563, 0.3276.

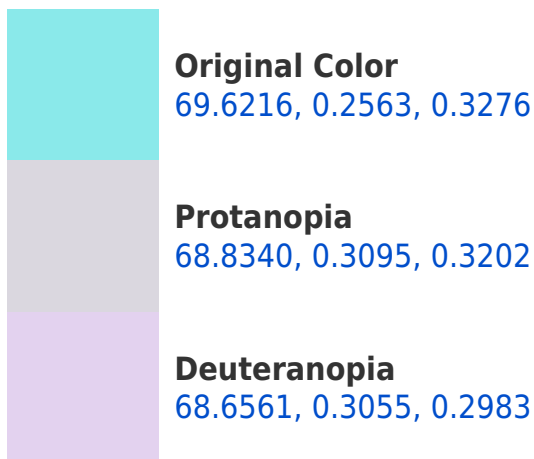


This preview shows how white text looks on a background with the Yxy color 69.6216, 0.2563, 0.3276.

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

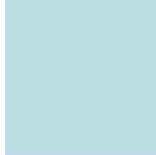
69.7422, 0.2507, 0.3077

Trichromacy



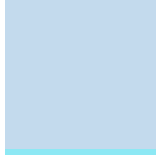
Original Color

69.6216, 0.2563, 0.3276



Protanomaly

68.6074, 0.2872, 0.3232



Deuteranomaly

67.8593, 0.2849, 0.3076



Tritanomaly

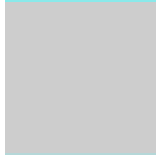
69.9076, 0.2528, 0.3146

Monochromacy



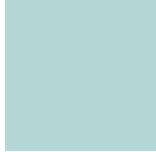
Original Color

69.6216, 0.2563, 0.3276



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.3825, 0.2883, 0.3277

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.6216, 0.2563, 0.3276 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(138, 233, 234)` looks like.

```
.text, #text, p{  
    color:rgb(138, 233, 234)  
}
```

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(138, 233, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 233, 234) }
```

Border

The CSS property to change the border of an element to Yxy 69.6216, 0.2563, 0.3276 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(138, 233, 234) }
```

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

```
.border{ border-color:rgb(138, 233, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 233, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 233, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 233, 234);  
box-shadow:4px 4px 4px 4px rgb(138, 233,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 69.6216, 0.2563, 0.3276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 233, 234) }
```

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

```
.background{ background-color: rgb(138,  
233, 234) }
```

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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