

Converting Colors

$Yxy(66.2969, 0.2656, 0.3477)$

Have a look what the booklet for
Yxy(66.2969, 0.2656, 0.3477)
contains.

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Color

Yxy(66.2969, 0.2656, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5D6
RGB	138, 229, 214
RGB Percent	54%, 90%, 84%
CMY	0.4586, 0.1020, 0.1609
CMYK	0.40, 0.00, 0.07, 0.10
HSL	170°, 64%, 72%
HSV	170°, 40%, 90%
XYZ	50.6427, 66.2969, 73.7331
YIQ	200.0810, -49.4210, -23.9570

Conversions

Conversions Part 2

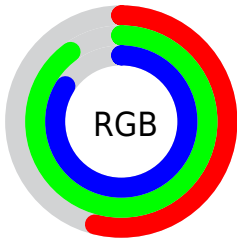
Format	Color
RYB	138, 188, 229
Decimal	9102806
CIELab	85.15, -30.63, -1.24
CIELCh	85, 30.657, 182.313
Yxy	66.2969, 0.2656, 0.3477
Android (android.graphics.Color)	4287292886 (0xFF8AE5D6)
YUV	200.0810, 6.8621, -54.4450
Hunter-Lab	81.4229, -31.4683, 3.3055

Details

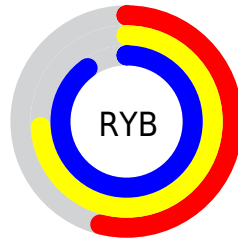
The Yxy color **66.2969, 0.2656, 0.3477** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.1529, 0.3958, 0.3118**, and the grayscale version is **57.7992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **34.1842, 0.2545, 0.3525** is the 20% darker color. If you saturate the color by 10%, you get **64.3560, 0.2567, 0.3532**, and if you desaturate by 10%, it is **68.6594, 0.2760, 0.3424**.

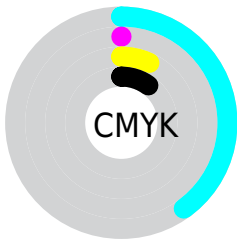
Distribution



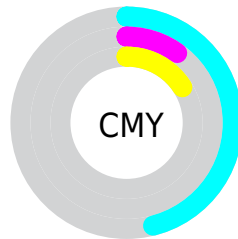
- Red (54%)
- Green (90%)
- Blue (84%)



- Red (54%)
- Yellow (74%)
- Blue (90%)



- Cyan (40%)
- Magenta (0%)
- Yellow (7%)
- Black (10%)





- Cyan (46%)
- Magenta (10%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 66.2969, 0.2656, 0.3477 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 66.2969, 0.2656, 0.3477 by changing the saturation by 10% instead.


 66.2969, 0.2656,
0.3477


 66.2969, 0.2656,
0.3477


447.4379, 0.2876,
0.3390

 48.5135, 0.2605,
0.3497

 113.9124, 0.2733,
0.3447

 34.2337, 0.2542,
0.3521


 144.5132, 0.2763,
0.3435

 23.0732, 0.2462,
0.3552


180.1552, 0.2788,
0.3425

 14.6476, 0.2357,
0.3592

221.2229, 0.2810,
0.3416

 8.5724, 0.2213,
0.3647

268.1006, 0.2830,
0.3409

 4.4633, 0.2004,
0.3724

321.1728, 0.2847,

 1.9360, 0.1679,

0.3402

380.8238, 0.2863,
0.3396

0.3842

0.5699, 0.0000,
0.4463

0.0000, 0.0000,
0.0000

66.2969, 0.2656,
0.3477

66.2969, 0.2656,
0.3477

64.3560, 0.2567,
0.3532

68.6594, 0.2760,
0.3424

62.8026, 0.2495,
0.3590


71.4594, 0.2875,
0.3375


61.6103, 0.2442,
0.3649


74.7215, 0.3000,
0.3330

60.7458, 0.2409,
0.3709

78.4664, 0.3131,
0.3289


 60.1698, 0.2395,
0.3768


 82.7133, 0.3265,
0.3252


 59.8163, 0.2397,
0.3827

 83.3924, 0.3257,
0.3215

 59.8072, 0.2397,
0.3828

 83.6153, 0.3233,
0.3178

 83.8429, 0.3208,
0.3141

 84.0753, 0.3184,
0.3105

Harmonies

Analogous

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



66.2969, 0.2983, 0.3807



66.2969, 0.2656, 0.3477



66.2969, 0.2459, 0.3109

Triad

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



66.2969, 0.2656, 0.3477



66.2969, 0.2861, 0.2694



66.2969, 0.3874, 0.3701

Complementary

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



66.2969, 0.2656, 0.3477



37.1529, 0.3958, 0.3118

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.



66.2969, 0.3844, 0.3401



66.2969, 0.2656, 0.3477



66.2969, 0.3239, 0.2843

Square

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



66.2969, 0.2656, 0.3477



66.2969, 0.2571, 0.2683



66.2969, 0.3606, 0.3095



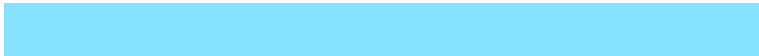
66.2969, 0.3692, 0.3918

Rectangle

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



66.2969, 0.2656, 0.3477



66.2969, 0.2420, 0.2905



66.2969, 0.3606, 0.3095



66.2969, 0.3889, 0.3606

Sweetspot

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



66.2995, 0.2656, 0.3477



94.3301, 0.2970, 0.3340



64.6670, 0.3167, 0.4472



20.0701, 0.2953, 0.3346



0.0000, 0.0000, 0.0000



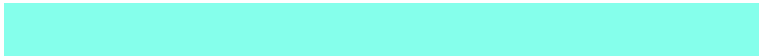
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



66.2995, 0.2656, 0.3477



82.4601, 0.2579, 0.3524



51.7665, 0.2520, 0.2900



16.2934, 0.3003, 0.3329



34.2110, 0.2394, 0.3819



2.5390, 0.2370, 0.3733

Inverse Universe

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



37.1529, 0.3958, 0.3118



40.2193, 0.4240, 0.3084



46.6363, 0.3983, 0.3644



14.4066, 0.3267, 0.3251



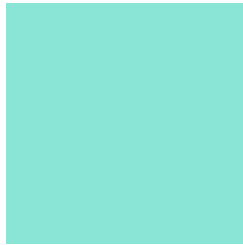
9.6153, 0.6156, 0.3165



0.7223, 0.5783, 0.2960

Previews

White Background



This preview shows how the Yxy color 66.2969, 0.2656, 0.3477 looks on a white background.

Color Contrast Check

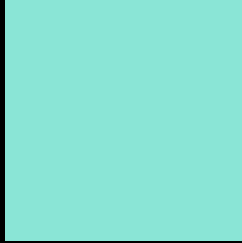
Large Text (above 18pt) WCAG AA × Fail

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 66.2969, 0.2656, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

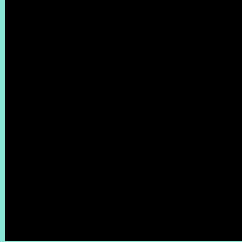
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

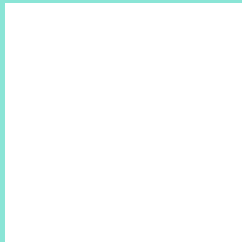
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2969, 0.2656, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 66.2969, 0.2656, 0.3477.

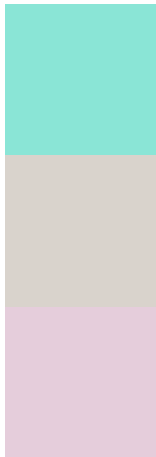


This preview shows how white text looks on a background with the Yxy color 66.2969, 0.2656, 0.3477.

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

66.2969, 0.2656, 0.3477

Protanopia

65.6999, 0.3221, 0.3369

Deuteranopia

65.4351, 0.3210, 0.3139



Tritanopia

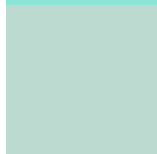
66.4325, 0.2543, 0.3074

Trichromacy



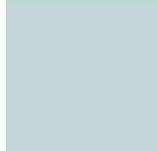
Original Color

66.2969, 0.2656, 0.3477



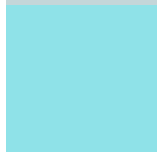
Protanomaly

65.3882, 0.2981, 0.3408



Deuteranomaly

64.8387, 0.2979, 0.3255



Tritanomaly

66.0585, 0.2584, 0.3215

Monochromacy



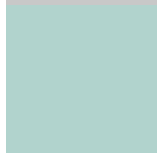
Original Color

66.2969, 0.2656, 0.3477



Achromatopsia

57.7580, 0.3127, 0.3290



Achromatomaly

60.3434, 0.2923, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2969, 0.2656, 0.3477 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, 229, 214)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 214)  
}
```

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, 229, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 214) }
```

Border

The CSS property to change the border of an element to Yxy 66.2969, 0.2656, 0.3477 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, 229, 214) }
```

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

```
.border{ border-color:rgb(138, 229, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 229, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 229, 214); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 229, 214); box-shadow:4px 4px 4px 4px rgb(138, 229, 214) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2969, 0.2656, 0.3477 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 229, 214) }
```

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

```
.background{ background-color: rgb(138,  
229, 214) }
```

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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