

Converting Colors

$Yxy(66.4202, 0.2660, 0.3487)$

Have a look what the booklet for
Yxy(66.4202, 0.2660, 0.3487)
contains.

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Color

Yxy(66.2460, 0.2661, 0.3490)

Conversions

Conversions Part 1

Format	Color
Hex	8AE5D5
RGB	138, 229, 213
RGB Percent	54%, 90%, 84%
CMY	0.4588, 0.1019, 0.1648
CMYK	0.40, 0.00, 0.07, 0.10
HSL	169°, 64%, 72%
HSV	169°, 40%, 90%
XYZ	50.5102, 66.2460, 73.0604
YIQ	199.9670, -49.1000, -24.2680

Conversions

Conversions Part 2

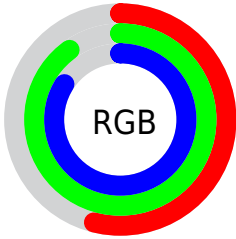
Format	Color
RYB	138, 188, 229
Decimal	9102805
CIELab	85.12, -30.87, -0.75
CIELCh	85, 30.883, 181.384
Yxy	66.2460, 0.2661, 0.3490
Android (android.graphics.Color)	4287292885 (0xFF8AE5D5)
YUV	199.9670, 6.4253, -54.3451
Hunter-Lab	81.3916, -31.6615, 3.7531

Details

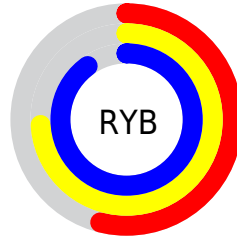
The Yxy color **66.2460, 0.2661, 0.3490** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **37.1751, 0.3947, 0.3106**, and the grayscale version is **57.7226, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **34.1496, 0.2552, 0.3543** is the 20% darker color. If you saturate the color by 10%, you get **64.2944, 0.2573, 0.3549**, and if you desaturate by 10%, it is **68.6198, 0.2764, 0.3434**.

Distribution



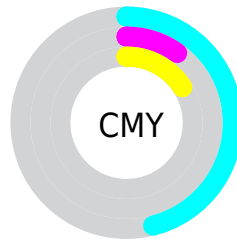
- Red (54%)
- Green (90%)
- Blue (84%)



- 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 66.2460, 0.2661, 0.3490 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 66.2460, 0.2661, 0.3490 by changing the saturation by 10% instead.

 66.2460, 0.2661,
0.3490


 66.2460, 0.2661,
0.3490


447.2561, 0.2879,
0.3397

 48.4721, 0.2611,
0.3511


 113.8393, 0.2737,
0.3458

 34.2009, 0.2548,
0.3538

 144.4276, 0.2767,
0.3445

 23.0480, 0.2469,
0.3571


180.0561, 0.2792,
0.3434

 14.6290, 0.2364,
0.3615

221.1092, 0.2814,
0.3425

 8.5594, 0.2221,
0.3675

267.9714, 0.2833,
0.3417

 4.4549, 0.2013,
0.3761

321.0270, 0.2850,

 1.9312, 0.1688,

0.3409

380.6605, 0.2866,
0.3403

0.3893

0.5670, 0.0000,
0.4585

0.0000, 0.0000,
0.0000

66.2460, 0.2661,
0.3490

66.2460, 0.2661,
0.3490

64.2944, 0.2573,
0.3549

68.6198, 0.2764,
0.3434

62.7309, 0.2502,
0.3611


71.4316, 0.2878,
0.3381

61.5290, 0.2450,
0.3674


74.7063, 0.3001,
0.3333


60.6556, 0.2418,
0.3738

78.4643, 0.3131,
0.3289

 60.0711, 0.2405,
0.3802


 82.7249, 0.3263,
0.3249


 59.7094, 0.2407,
0.3865

 83.4258, 0.3254,
0.3210

 59.7007, 0.2408,
0.3867

 83.6644, 0.3228,
0.3171

 83.9084, 0.3201,
0.3132

 84.1578, 0.3175,
0.3093

Harmonies

Analogous

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



66.2460, 0.2994, 0.3819



66.2460, 0.2661, 0.3490



66.2460, 0.2458, 0.3118

Triad

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



66.2460, 0.2661, 0.3490



66.2460, 0.2848, 0.2688



66.2460, 0.3882, 0.3695

Complementary

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



66.2460, 0.2661, 0.3490



37.1751, 0.3947, 0.3106

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.



66.2460, 0.3845, 0.3392



66.2460, 0.2661, 0.3490



66.2460, 0.3228, 0.2833

Square

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



66.2460, 0.2661, 0.3490



66.2460, 0.2561, 0.2680



66.2460, 0.3600, 0.3085



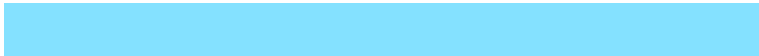
66.2460, 0.3705, 0.3918

Rectangle

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



66.2460, 0.2661, 0.3490



66.2460, 0.2415, 0.2910



66.2460, 0.3600, 0.3085



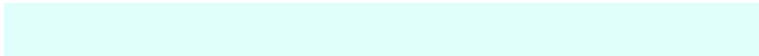
66.2460, 0.3895, 0.3599

Sweetspot

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



66.2486, 0.2661, 0.3490



94.3090, 0.2972, 0.3344



64.8151, 0.3177, 0.4469



20.0651, 0.2956, 0.3350



0.0000, 0.0000, 0.0000



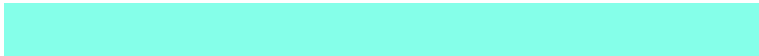
21.4041, 0.3127, 0.3290

Same Dimension

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



66.2486, 0.2661, 0.3490



82.3826, 0.2585, 0.3541



52.4594, 0.2523, 0.2920



16.2905, 0.3005, 0.3332



34.1487, 0.2405, 0.3857



2.5349, 0.2379, 0.3764

Inverse Universe

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



37.1751, 0.3947, 0.3106



40.2641, 0.4225, 0.3070



46.0692, 0.3990, 0.3627



14.4092, 0.3265, 0.3249



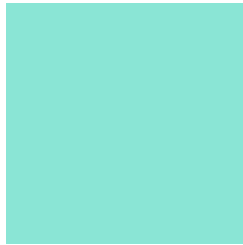
9.6255, 0.6130, 0.3151



0.7235, 0.5748, 0.2940

Previews

White Background



This preview shows how the Yxy color 66.2460, 0.2661, 0.3490 looks on a white background.

Color Contrast Check

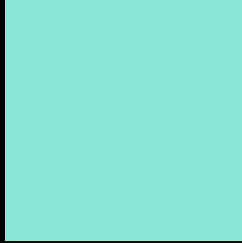
Large Text (above 18pt) WCAG AA × Fail

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 66.2460, 0.2661, 0.3490 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

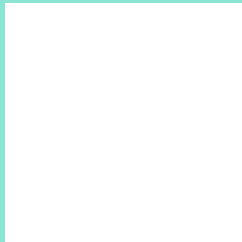
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 66.2460, 0.2661, 0.3490

Background



This preview shows how black text looks on a background with the Yxy color 66.2460, 0.2661, 0.3490.

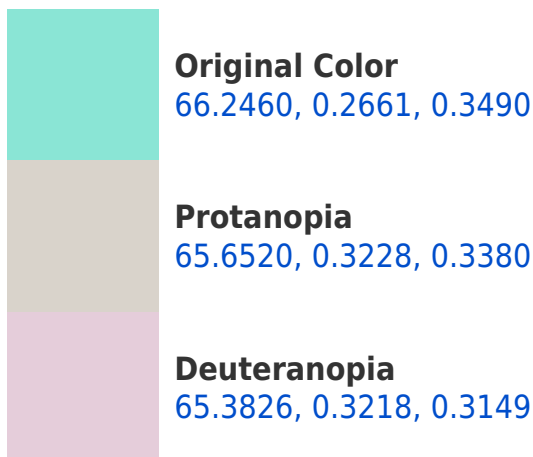


This preview shows how white text looks on a background with the Yxy color 66.2460, 0.2661, 0.3490.

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

66.4325, 0.2543, 0.3074

Trichromacy



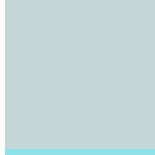
Original Color

66.2460, 0.2661, 0.3490



Protanomaly

65.3392, 0.2987, 0.3420



Deuteranomaly

64.7868, 0.2985, 0.3266



Tritanomaly

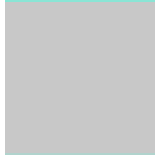
66.0585, 0.2584, 0.3215

Monochromacy



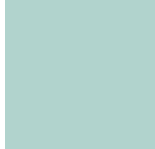
Original Color

66.2460, 0.2661, 0.3490



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 66.2460, 0.2661, 0.3490 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(138, 229, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 229, 213) }
```

Border

The CSS property to change the border of an element to Yxy 66.2460, 0.2661, 0.3490 is called "border". The border property can be set on classes, ids or directly on the HTML element.

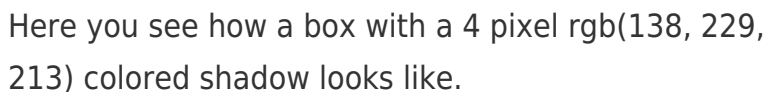
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(138, 229, 213) }
```

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

```
.border{ border-color:rgb(138, 229, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(138, 229, 213); -webkit-box-shadow:4px 4px 4px 4px rgb(138, 229, 213); box-shadow:4px 4px 4px 4px rgb(138, 229, 213) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2460, 0.2661, 0.3490 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, 213) }
```

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

```
.background{ background-color: rgb(138,  
229, 213) }
```

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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