

Converting Colors

$Y_{xy}(66.0070, 0.2720, 0.3615)$

Have a look what the booklet for
Yxy(66.0070, 0.2720, 0.3615)
contains.

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Color

Yxy(65.9259, 0.2724, 0.3619)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 8CE5CB |
| RGB | 140, 229, 203 |
| RGB Percent | 55%, 90%, 80% |
| CMY | 0.4508, 0.1020, 0.2039 |
| CMYK | 0.39, 0.00, 0.11, 0.10 |
| HSL | 162°, 63%, 72% |
| HSV | 162°, 39%, 90% |
| XYZ | 49.6220, 65.9259, 66.6181 |
| YIQ | 199.4250, -44.6980, -26.9540 |

Conversions

Conversions Part 2

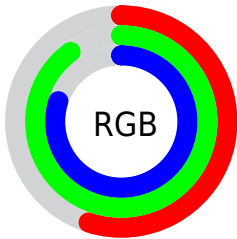
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 140, 192, 229 |
| Decimal | 9233867 |
| CIE _{Lab} | 84.96, -32.56, 4.28 |
| CIE _{LCh} | 85, 32.839, 172.514 |
| Yxy | 65.9259, 0.2724, 0.3619 |
| Android (android.graphics.Color) | 4287423947 (0xFF8CE5CB) |
| YUV | 199.4250, 1.7625, -52.1157 |
| Hunter-Lab | 81.1948, -33.0009, 8.1905 |

Details

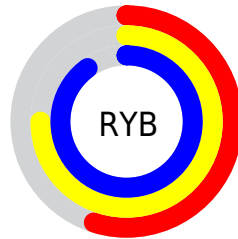
The Yxy color **65.9259, 0.2724, 0.3619** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **38.1842, 0.3805, 0.2991**, and the grayscale version is **57.4060, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.6103, 0.2789, 0.3289**, and **33.9419, 0.2620, 0.3702** is the 20% darker color. If you saturate the color by 10%, you get **63.8289, 0.2645, 0.3721**, and if you desaturate by 10%, it is **68.4560, 0.2816, 0.3524**.

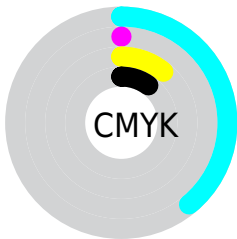
Distribution



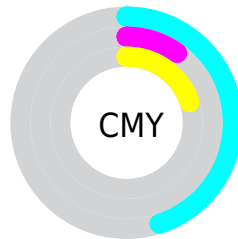
- Red (55%)
- Green (90%)
- Blue (80%)



- Red (55%)
- Yellow (75%)
- Blue (90%)



- Cyan (39%)
- Magenta (0%)
- Yellow (11%)
- Black (10%)





- Cyan (45%)
- Magenta (10%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.9259, 0.2724, 0.3619 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 65.9259, 0.2724, 0.3619 by changing the saturation by 10% instead.


 65.9259, 0.2724,
0.3619


 65.9259, 0.2724,
0.3619


446.1118, 0.2915,
0.3461

 48.2123, 0.2679,
0.3656


 113.3800, 0.2791,
0.3563

 33.9950, 0.2624,
0.3703


 143.8892, 0.2817,
0.3542

 22.8898, 0.2552,
0.3764


179.4324, 0.2839,
0.3524

 14.5121, 0.2458,
0.3846

220.3939, 0.2858,
0.3508

 8.4777, 0.2326,
0.3961

267.1583, 0.2875,
0.3494

 4.4021, 0.2132,
0.4135

320.1098, 0.2890,

 1.9009, 0.1816,

0.3482

0.4430

379.6328, 0.2903,
0.3471

0.5489, 0.0000,
0.6477

0.0000, 0.0000,
0.0000

65.9259, 0.2724,
0.3619

65.9259, 0.2724,
0.3619

63.8289, 0.2645,
0.3721

68.4560, 0.2816,
0.3524

62.1309, 0.2582,
0.3827


71.4349, 0.2918,
0.3435

60.8056, 0.2537,
0.3937


74.8874, 0.3027,
0.3355

59.8201, 0.2513,
0.4049


78.8340, 0.3140,
0.3282

 59.1356, 0.2508,
0.4160


 83.2941, 0.3256,
0.3217

 58.6929, 0.2521,
0.4270

 83.7758, 0.3215,
0.3152

 58.6480, 0.2523,
0.4283

 84.1877, 0.3172,
0.3087

 84.5157, 0.3139,
0.3039

Harmonies

Analogous

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



65.9259, 0.3103, 0.3929



65.9259, 0.2724, 0.3619



65.9259, 0.2463, 0.3218

Triad

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



65.9259, 0.2724, 0.3619



65.9259, 0.2726, 0.2633



65.9259, 0.3945, 0.3627

Complementary

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



65.9259, 0.2724, 0.3619



38.1842, 0.3805, 0.2991

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.



65.9259, 0.3836, 0.3297



65.9259, 0.2724, 0.3619



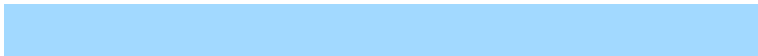
65.9259, 0.3109, 0.2747

Square

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



65.9259, 0.2724, 0.3619



65.9259, 0.2465, 0.2671



65.9259, 0.3522, 0.2984



65.9259, 0.3818, 0.3900

Rectangle

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



65.9259, 0.2724, 0.3619



65.9259, 0.2382, 0.2975



65.9259, 0.3522, 0.2984



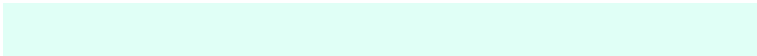
65.9259, 0.3935, 0.3520

Sweetspot

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



65.9286, 0.2724, 0.3619



94.0889, 0.2991, 0.3380



66.1178, 0.3247, 0.4414



20.0131, 0.2977, 0.3390



0.0000, 0.0000, 0.0000



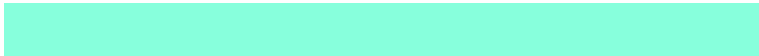
21.4041, 0.3127, 0.3290

Same Dimension

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



65.9286, 0.2724, 0.3619



81.8502, 0.2656, 0.3704



57.9286, 0.2556, 0.3065



16.2609, 0.3020, 0.3360



33.5558, 0.2518, 0.4266



2.4957, 0.2474, 0.4105

Inverse Universe

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



38.1842, 0.3805, 0.2991



41.5381, 0.4032, 0.2928



42.9528, 0.4013, 0.3500



14.4369, 0.3247, 0.3222



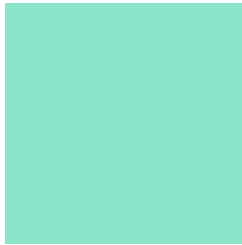
9.7734, 0.5784, 0.2960



0.7380, 0.5367, 0.2730

Previews

White Background



This preview shows how the Yxy color 65.9259, 0.2724, 0.3619 looks on a white background.

Color Contrast Check

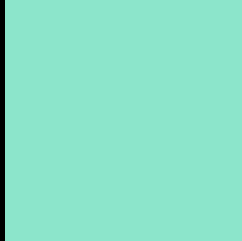
Large Text (above 18pt) WCAG AA × Fail

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 65.9259, 0.2724, 0.3619 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

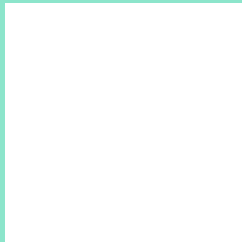
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.9259, 0.2724, 0.3619

Background



This preview shows how black text looks on a background with the Yxy color 65.9259, 0.2724, 0.3619.



This preview shows how white text looks on a background with the Yxy color 65.9259, 0.2724, 0.3619.

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

65.9259, 0.2724, 0.3619

Protanopia

65.0035, 0.3316, 0.3483

Deuteranopia

64.8956, 0.3315, 0.3247



Tritanopia

65.6103, 0.2569, 0.3074

Trichromacy



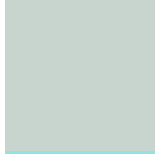
Original Color

65.9259, 0.2724, 0.3619



Protanomaly

64.6041, 0.3066, 0.3529



Deuteranomaly

64.1868, 0.3072, 0.3372



Tritanomaly

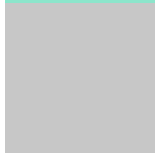
65.5075, 0.2623, 0.3264

Monochromacy



Original Color

65.9259, 0.2724, 0.3619



Achromatopsia

57.1125, 0.3127, 0.3290



Achromatomaly

59.7283, 0.2962, 0.3413

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.9259, 0.2724, 0.3619 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(140, 229, 203)` looks like.

```
.text, #text, p{  
    color:rgb(140, 229, 203)  
}
```

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(140, 229, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 229, 203) }
```

Border

The CSS property to change the border of an element to Yxy 65.9259, 0.2724, 0.3619 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(140, 229, 203) }
```

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

```
.border{ border-color:rgb(140, 229, 203) }
```

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

Here you see how a box with a 4 pixel rgb(140, 229, 203) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 229, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 229, 203);  
box-shadow:4px 4px 4px 4px rgb(140, 229,  
203) }
```


Background

The CSS property to change the background color of an element to Yxy 65.9259, 0.2724, 0.3619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 229, 203) }
```

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

```
.background{ background-color: rgb(140,  
229, 203) }
```

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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