

Converting Colors

$Yxy(65.7639, 0.2728, 0.3519)$

Have a look what the booklet for
Yxy(65.7639, 0.2728, 0.3519)
contains.

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Color

Yxy(65.7447, 0.2727, 0.3514)

Conversions

Conversions Part 1

Format	Color
Hex	93E3D1
RGB	147, 227, 209
RGB Percent	58%, 89%, 82%
CMY	0.4232, 0.1098, 0.1803
CMYK	0.35, 0.00, 0.08, 0.11
HSL	167°, 59%, 73%
HSV	167°, 35%, 89%
XYZ	51.0204, 65.7447, 70.3285
YIQ	201.0280, -41.9020, -22.5580

Conversions

Conversions Part 2

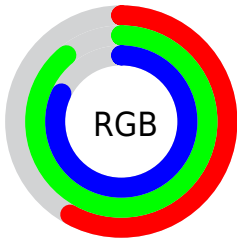
Format	Color
RYB	147, 192, 227
Decimal	9692113
CIELab	84.87, -28.41, 1.02
CIElCh	85, 28.431, 177.937
Yxy	65.7447, 0.2727, 0.3514
Android (android.graphics.Color)	4287882193 (0xFF93E3D1)
YUV	201.0280, 3.9302, -47.3826
Hunter-Lab	81.0831, -29.5768, 5.3322

Details

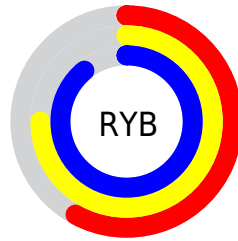
The Yxy color **65.7447, 0.2727, 0.3514** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **39.9378, 0.3774, 0.3081**, and the grayscale version is **58.4325, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **33.7677, 0.2624, 0.3559** is the 20% darker color. If you saturate the color by 10%, you get **63.6016, 0.2637, 0.3589**, and if you desaturate by 10%, it is **68.3153, 0.2830, 0.3444**.

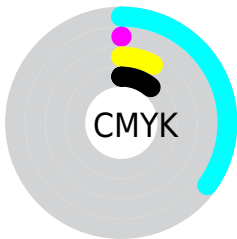
Distribution



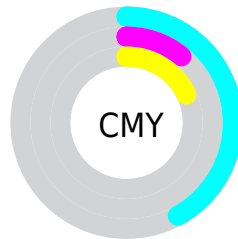
- Red (58%)
- Green (89%)
- Blue (82%)



- Red (58%)
- Yellow (75%)
- Blue (89%)



- Cyan (35%)
- Magenta (0%)
- Yellow (8%)
- Black (11%)



- Cyan (42%)
- Magenta (11%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7447, 0.2727, 0.3514 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 65.7447, 0.2727, 0.3514 by changing the saturation by 10% instead.

 65.7447, 0.2727,
0.3514

 65.7447, 0.2727,
0.3514

445.4633, 0.2915,
0.3408

 48.0652, 0.2683,
0.3539


 113.1198, 0.2793,
0.3477

 33.8785, 0.2629,
0.3570


 143.5842, 0.2818,
0.3463

 22.8003, 0.2559,
0.3609


179.0791, 0.2840,
0.3450

 14.4461, 0.2467,
0.3661

219.9887, 0.2859,
0.3440

 8.4316, 0.2341,
0.3734

266.6975, 0.2876,
0.3430

 4.3723, 0.2154,
0.3842

319.5900, 0.2891,

 1.8839, 0.1857,

0.3422

0.4017

379.0504, 0.2904,
0.3415

0.5387, 0.0000,
0.5112

0.0000, 0.0000,
0.0000

65.7447, 0.2727,
0.3514

65.7447, 0.2727,
0.3514

63.6016, 0.2637,
0.3589

68.3153, 0.2830,
0.3444

61.8535, 0.2562,
0.3668


71.3279, 0.2943,
0.3378


60.4760, 0.2505,
0.3750


74.8062, 0.3063,
0.3319

59.4384, 0.2467,
0.3833

78.7698, 0.3187,
0.3265

 58.7053, 0.2449,
0.3917

 82.1656, 0.3273,
0.3216


 58.2332, 0.2451,
0.4000

 82.4643, 0.3239,
0.3166

 58.0652, 0.2455,
0.4040

 82.7716, 0.3206,
0.3116

 83.0875, 0.3173,
0.3067

 83.4120, 0.3140,
0.3019

Harmonies

Analogous

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



65.7447, 0.3045, 0.3802



65.7447, 0.2727, 0.3514



65.7447, 0.2521, 0.3171

Triad

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



65.7447, 0.2727, 0.3514



65.7447, 0.2833, 0.2723



65.7447, 0.3830, 0.3638

Complementary

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



65.7447, 0.2727, 0.3514



39.9378, 0.3774, 0.3081

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.



65.7447, 0.3772, 0.3353



65.7447, 0.2727, 0.3514



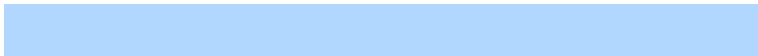
65.7447, 0.3179, 0.2845

Square

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



65.7447, 0.2727, 0.3514



65.7447, 0.2580, 0.2734



65.7447, 0.3528, 0.3070



65.7447, 0.3689, 0.3854

Rectangle

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



65.7447, 0.2727, 0.3514



65.7447, 0.2468, 0.2971



65.7447, 0.3528, 0.3070



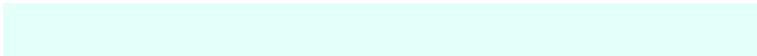
65.7447, 0.3834, 0.3547

Sweetspot

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



65.7474, 0.2727, 0.3514



94.6629, 0.2992, 0.3353



65.1193, 0.3202, 0.4307



20.1323, 0.2976, 0.3361



0.0000, 0.0000, 0.0000



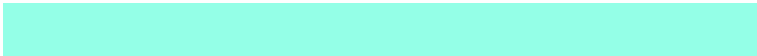
21.4041, 0.3127, 0.3290

Same Dimension

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



65.7474, 0.2727, 0.3514



83.5707, 0.2662, 0.3567



55.7439, 0.2596, 0.3021



16.2780, 0.3011, 0.3343



33.8850, 0.2452, 0.4027



2.5176, 0.2418, 0.3906

Inverse Universe

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



39.9378, 0.3774, 0.3081



45.3869, 0.3969, 0.3040



46.5856, 0.3879, 0.3541



14.4208, 0.3257, 0.3237



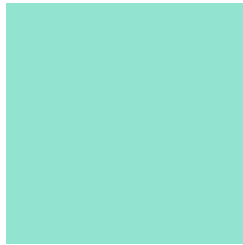
9.6785, 0.6000, 0.3079



0.7291, 0.5593, 0.2854

Previews

White Background



This preview shows how the Yxy color 65.7447, 0.2727, 0.3514 looks on a white background.

Color Contrast Check

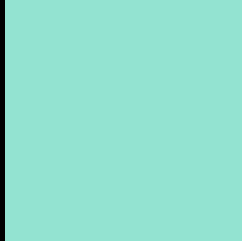
Large Text (above 18pt) WCAG AA × Fail

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 65.7447, 0.2727, 0.3514 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

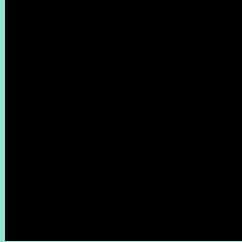
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

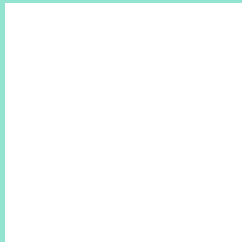
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.7447, 0.2727, 0.3514

Background



This preview shows how black text looks on a background with the Yxy color 65.7447, 0.2727, 0.3514.

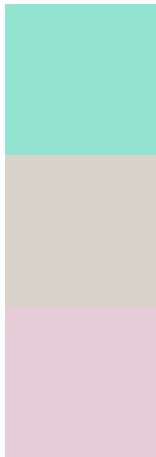


This preview shows how white text looks on a background with the Yxy color 65.7447, 0.2727, 0.3514.

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

65.7447, 0.2727, 0.3514

Protanopia

65.0150, 0.3250, 0.3404

Deuteranopia

64.8638, 0.3255, 0.3182



Tritanopia

65.5024, 0.2599, 0.3075

Trichromacy



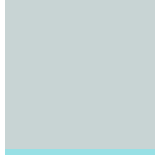
Original Color

65.7447, 0.2727, 0.3514



Protanomaly

64.6300, 0.3041, 0.3444



Deuteranomaly

64.1198, 0.3040, 0.3290



Tritanomaly

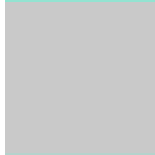
65.6439, 0.2643, 0.3228

Monochromacy



Original Color

65.7447, 0.2727, 0.3514



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

60.2766, 0.2957, 0.3363

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7447, 0.2727, 0.3514 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(147, 227, 209)` looks like.

```
.text, #text, p{  
    color:rgb(147, 227, 209)  
}
```

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(147, 227, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 227, 209) }
```

Border

The CSS property to change the border of an element to Yxy 65.7447, 0.2727, 0.3514 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(147, 227, 209) }
```

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

```
.border{ border-color:rgb(147, 227, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 227, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(147, 227, 209); -webkit-box-shadow:4px 4px 4px 4px rgb(147, 227, 209); box-shadow:4px 4px 4px 4px rgb(147, 227, 209) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7447, 0.2727, 0.3514 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 227, 209) }
```

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

```
.background{ background-color: rgb(147,  
227, 209) }
```

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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