

Converting Colors

$Yxy(64.4776, 0.2634, 0.3395)$

Have a look what the booklet for
Yxy(64.4776, 0.2634, 0.3395)
contains.

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Color

Yxy(64.2635, 0.2633, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	8AE1D9
RGB	138, 225, 217
RGB Percent	54%, 88%, 85%
CMY	0.4590, 0.1176, 0.1489
CMYK	0.39, 0.00, 0.04, 0.12
HSL	174°, 59%, 71%
HSV	174°, 39%, 88%
XYZ	49.9279, 64.2635, 75.4323
YIQ	198.0750, -49.2840, -20.9320

Conversions

Conversions Part 2

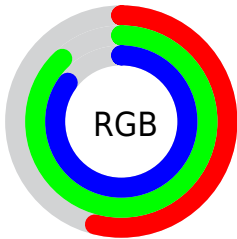
Format	Color
RYB	138, 184, 225
Decimal	9101785
CIELab	84.10, -28.04, -4.38
CIELCh	84, 28.384, 188.872
Yxy	64.2635, 0.2633, 0.3389
Android (android.graphics.Color)	4287291865 (0xFF8AE1D9)
YUV	198.0750, 9.3300, -52.6858
Hunter-Lab	80.1645, -29.1148, 0.3251

Details

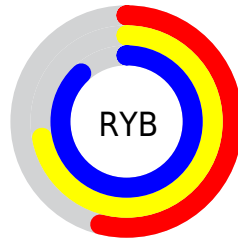
The Yxy color **64.2635, 0.2633, 0.3389** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **36.2488, 0.3998, 0.3198**, and the grayscale version is **56.4815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.3421, 0.2778, 0.3289**, and **32.7784, 0.2514, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **62.4354, 0.2536, 0.3419**, and if you desaturate by 10%, it is **66.4955, 0.2745, 0.3361**.

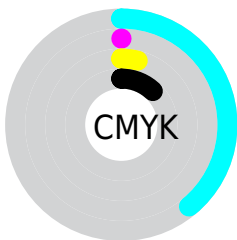
Distribution



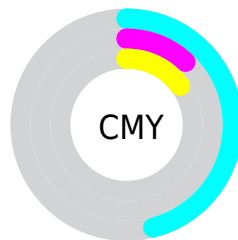
- Red (54%)
- Green (88%)
- Blue (85%)



- Red (54%)
- Yellow (72%)
- Blue (88%)



- Cyan (39%)
- Magenta (0%)
- Yellow (4%)
- Black (12%)




- Cyan (46%)
- Magenta (12%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.2635, 0.2633, 0.3389 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 64.2635, 0.2633, 0.3389 by changing the saturation by 10% instead.


 64.2635, 0.2633,
0.3389


 64.2635, 0.2633,
0.3389


440.1406, 0.2864,
0.3345

 46.8641, 0.2580,
0.3398


 110.9903, 0.2714,
0.3374

 32.9283, 0.2513,
0.3410


 141.0866, 0.2745,
0.3368

 22.0715, 0.2429,
0.3423


176.1839, 0.2772,
0.3363

 13.9094, 0.2319,
0.3440

216.6667, 0.2795,
0.3359

 8.0577, 0.2167,
0.3461

262.9194, 0.2816,
0.3355

 4.1319, 0.1949,
0.3487


315.3263, 0.2834,


 1.7476, 0.1607,


0.3351


374.2719, 0.2850,
0.3348

0.3514


 0.4542, 0.0000,
0.3620


 0.0000, 0.0000,
0.0000


 64.2635, 0.2633,
0.3389


 64.2635, 0.2633,
0.3389


 62.4354, 0.2536,
0.3419

 66.4955, 0.2745,
0.3361

 60.9789, 0.2457,
0.3450


 69.1465, 0.2870,
0.3334


 59.8689, 0.2397,
0.3481

 72.2398, 0.3005,
0.3310

 59.0743, 0.2356,
0.3513


 75.7950, 0.3146,
0.3287


 58.5580, 0.2334,
0.3544


 79.8305, 0.3292,
0.3267

 58.2644, 0.2328,
0.3575

 80.7951, 0.3310,
0.3247

 58.2322, 0.2328,
0.3579

 80.9114, 0.3296,
0.3226

 81.0291, 0.3282,
0.3206

 81.1481, 0.3268,
0.3186

Harmonies

Analogous

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



64.2635, 0.2919, 0.3714



64.2635, 0.2633, 0.3389



64.2635, 0.2480, 0.3055

Triad

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



64.2635, 0.2633, 0.3389



64.2635, 0.2951, 0.2750



64.2635, 0.3804, 0.3731

Complementary

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



64.2635, 0.2633, 0.3389



36.2488, 0.3998, 0.3198

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.



64.2635, 0.3821, 0.3461



64.2635, 0.2633, 0.3389



64.2635, 0.3313, 0.2915

Square

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



64.2635, 0.2633, 0.3389



64.2635, 0.2655, 0.2710



64.2635, 0.3638, 0.3168



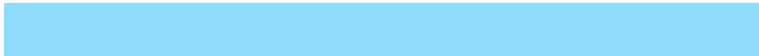
64.2635, 0.3599, 0.3904

Rectangle

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



64.2635, 0.2633, 0.3389



64.2635, 0.2467, 0.2879



64.2635, 0.3638, 0.3168



64.2635, 0.3833, 0.3648

Sweetspot

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



64.2661, 0.2633, 0.3389



94.4718, 0.2958, 0.3318



61.8613, 0.3128, 0.4450



20.1036, 0.2940, 0.3321



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.



64.2661, 0.2633, 0.3389



83.4438, 0.2558, 0.3412



47.7461, 0.2524, 0.2834



15.5495, 0.2994, 0.3311



33.5624, 0.2326, 0.3574



2.3328, 0.2313, 0.3526

Inverse Universe

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



36.2488, 0.3998, 0.3198



41.5038, 0.4267, 0.3181



47.6460, 0.3925, 0.3701



13.7209, 0.3278, 0.3269



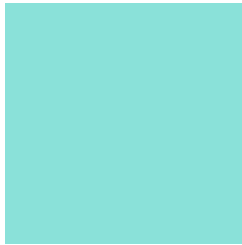
9.2621, 0.6293, 0.3240



0.6491, 0.6022, 0.3091

Previews

White Background



This preview shows how the Yxy color 64.2635, 0.2633, 0.3389 looks on a white background.

Color Contrast Check

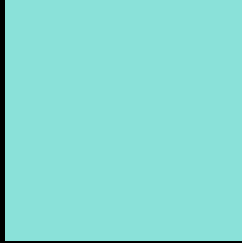
Large Text (above 18pt) WCAG AA × Fail

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 64.2635, 0.2633, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

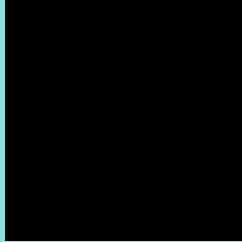
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.2635, 0.2633, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 64.2635, 0.2633, 0.3389.

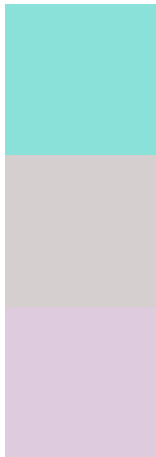


This preview shows how white text looks on a background with the Yxy color 64.2635, 0.2633, 0.3389.

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

64.2635, 0.2633, 0.3389

Protanopia

63.7629, 0.3172, 0.3302

Deuteranopia

63.6738, 0.3145, 0.3082



Tritanopia

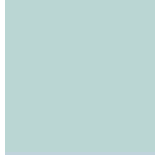
64.4038, 0.2547, 0.3083

Trichromacy



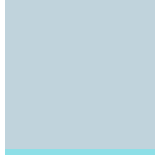
Original Color

64.2635, 0.2633, 0.3389



Protanomaly

63.2354, 0.2948, 0.3325



Deuteranomaly

62.9623, 0.2931, 0.3184



Tritanomaly

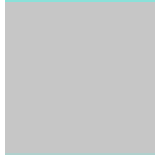
64.2957, 0.2579, 0.3190

Monochromacy



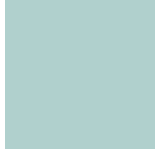
Original Color

64.2635, 0.2633, 0.3389



Achromatopsia

56.4712, 0.3127, 0.3290



Achromatomaly

58.7496, 0.2915, 0.3326

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.2635, 0.2633, 0.3389 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, 225, 217)` looks like.

```
.text, #text, p{  
    color:rgb(138, 225, 217)  
}
```

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, 225, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 225, 217) }
```

Border

The CSS property to change the border of an element to Yxy 64.2635, 0.2633, 0.3389 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, 225, 217) }
```

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

```
.border{ border-color:rgb(138, 225, 217) }
```

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

Here you see how a box with a 4 pixel rgb(138, 225, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 225, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 225, 217);  
box-shadow:4px 4px 4px 4px rgb(138, 225,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 64.2635, 0.2633, 0.3389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 225, 217) }
```

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

```
.background{ background-color: rgb(138,  
225, 217) }
```

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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