

Converting Colors

$Y_{xy}(65.3212, 0.2579, 0.3389)$

Have a look what the booklet for
Yxy(65.3212, 0.2579, 0.3389)
contains.

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Color

Yxy(65.3212, 0.2579, 0.3389)

Conversions

Conversions Part 1

Format	Color
Hex	81E4DC
RGB	129, 228, 220
RGB Percent	51%, 89%, 86%
CMY	0.4944, 0.1058, 0.1372
CMYK	0.43, 0.00, 0.04, 0.11
HSL	175°, 65%, 70%
HSV	175°, 43%, 89%
XYZ	49.7089, 65.3212, 77.7147
YIQ	197.4870, -56.4360, -23.4760

Conversions

Conversions Part 2

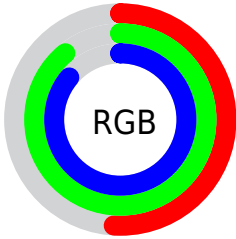
Format	Color
RYB	129, 181, 228
Decimal	8512732
CIELab	84.65, -30.99, -5.20
CIELCh	85, 31.423, 189.531
Yxy	65.3212, 0.2579, 0.3389
Android (android.graphics.Color)	4286702812 (0xFF81E4DC)
YUV	197.4870, 11.0989, -60.0631
Hunter-Lab	80.8215, -31.6522, -0.4358

Details

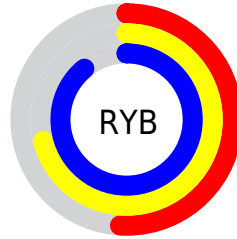
The Yxy color **65.3212, 0.2579, 0.3389** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **33.9814, 0.4176, 0.3200**, and the grayscale version is **56.0938, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3048, 0.2736, 0.3289**, and **33.5238, 0.2446, 0.3407** is the 20% darker color. If you saturate the color by 10%, you get **63.6373, 0.2490, 0.3416**, and if you desaturate by 10%, it is **67.4095, 0.2685, 0.3364**.

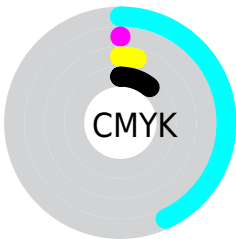
Distribution



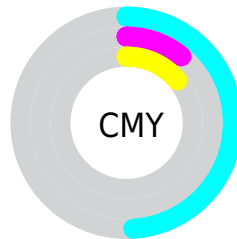
- Red (51%)
- Green (89%)
- Blue (86%)



- Red (51%)
- Yellow (71%)
- Blue (89%)



- Cyan (43%)
- Magenta (0%)
- Yellow (4%)
- Black (11%)





- Cyan (49%)
- Magenta (11%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.3212, 0.2579, 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 65.3212, 0.2579, 0.3389 by changing the saturation by 10% instead.


 65.3212, 0.2579,
0.3389


 65.3212, 0.2579,
0.3389


443.9453, 0.2834,
0.3346


 47.7216, 0.2520,
0.3398


 112.5115, 0.2668,
0.3375

 33.6065, 0.2448,
0.3408


 142.8710, 0.2702,
0.3369

 22.5914, 0.2356,
0.3421


 178.2526, 0.2732,
0.3364

 14.2921, 0.2237,
0.3436

219.0406, 0.2758,
0.3360

 8.3241, 0.2074,
0.3453

265.6195, 0.2780,
0.3356

 4.3030, 0.1841,
0.3472

318.3736, 0.2800,

 1.8445, 0.1483,

0.3352

0.3486

377.6875, 0.2818,
0.3349

■ 0.5147, 0.0000,
0.3577

■ 0.0000, 0.0000,
0.0000

■ 65.3212, 0.2579,
0.3389

■ 65.3212, 0.2579,
0.3389

■ 63.6373, 0.2490,
0.3416

■ 67.4095, 0.2685,
0.3364

■ 62.3234, 0.2419,
0.3443


■ 69.9190, 0.2805,
0.3340


■ 61.3519, 0.2367,
0.3470

■ 72.8745, 0.2937,
0.3317

■ 60.6879, 0.2334,
0.3498

■ 76.2970, 0.3077,
0.3297


 60.2894, 0.2320,
0.3525


 80.2059, 0.3223,
0.3278

 60.1284, 0.2317,
0.3543

 82.5261, 0.3296,
0.3260

 82.6306, 0.3283,
0.3242

 82.7361, 0.3271,
0.3224

 82.8428, 0.3259,
0.3206

Harmonies

Analogous

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



65.3212, 0.2889, 0.3753



65.3212, 0.2579, 0.3389



65.3212, 0.2416, 0.3021

Triad

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



65.3212, 0.2579, 0.3389



65.3212, 0.2941, 0.2703



65.3212, 0.3869, 0.3777

Complementary

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



65.3212, 0.2579, 0.3389



33.9814, 0.4176, 0.3200

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.



65.3212, 0.3894, 0.3481



65.3212, 0.2579, 0.3389



65.3212, 0.3339, 0.2885

Square

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



65.3212, 0.2579, 0.3389



65.3212, 0.2615, 0.2654



65.3212, 0.3696, 0.3162



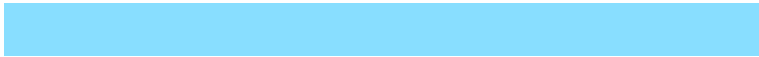
65.3212, 0.3637, 0.3968

Rectangle

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



65.3212, 0.2579, 0.3389



65.3212, 0.2405, 0.2831



65.3212, 0.3696, 0.3162



65.3212, 0.3903, 0.3685

Sweetspot

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



65.3238, 0.2579, 0.3389



94.0750, 0.2942, 0.3316



62.4107, 0.3114, 0.4622



19.9429, 0.2912, 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.



65.3238, 0.2579, 0.3389



82.2374, 0.2499, 0.3412



45.6887, 0.2448, 0.2744



16.3153, 0.2992, 0.3309



34.7245, 0.2316, 0.3538



2.5720, 0.2305, 0.3499

Inverse Universe

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



33.9814, 0.4176, 0.3200



36.9734, 0.4523, 0.3186



46.9086, 0.4048, 0.3770



14.3868, 0.3280, 0.3271



9.5570, 0.6310, 0.3250



0.7128, 0.6078, 0.3122

Previews

White Background



This preview shows how the Yxy color 65.3212, 0.2579, 0.3389 looks on a white background.

Color Contrast Check

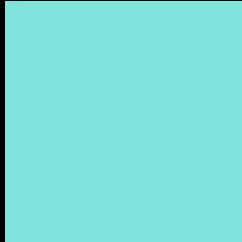
Large Text (above 18pt) WCAG AA × Fail

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 65.3212, 0.2579, 0.3389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

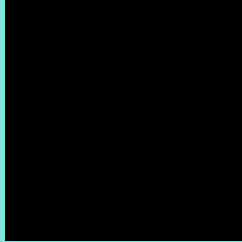
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

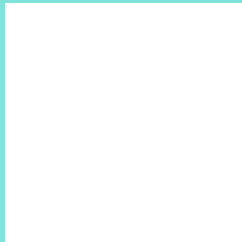
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 65.3212, 0.2579, 0.3389

Background



This preview shows how black text looks on a background with the Yxy color 65.3212, 0.2579, 0.3389.

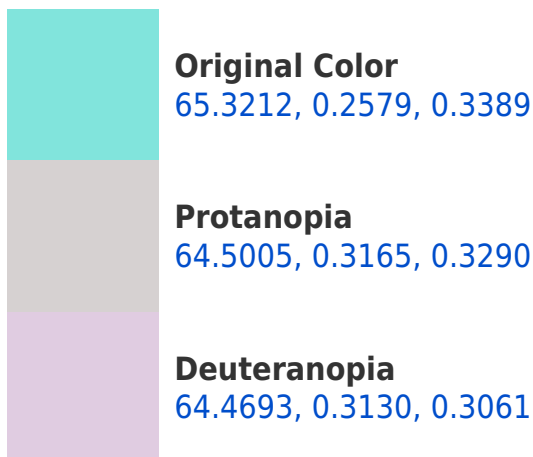


This preview shows how white text looks on a background with the Yxy color 65.3212, 0.2579, 0.3389.

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





Tritanopia

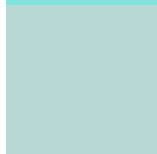
65.4724, 0.2490, 0.3071

Trichromacy



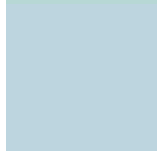
Original Color

65.3212, 0.2579, 0.3389



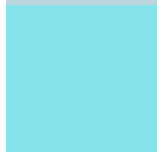
Protanomaly

63.9831, 0.2915, 0.3325



Deuteranomaly

63.7350, 0.2892, 0.3173



Tritanomaly

65.3774, 0.2521, 0.3178

Monochromacy



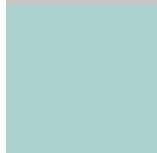
Original Color

65.3212, 0.2579, 0.3389



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

58.2902, 0.2887, 0.3327

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.3212, 0.2579, 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(129, 228, 220)` looks like.

```
.text, #text, p{  
    color:rgb(129, 228, 220)  
}
```

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(129, 228, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 228, 220) }
```

Border

The CSS property to change the border of an element to Yxy 65.3212, 0.2579, 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(129, 228, 220) }
```

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

```
.border{ border-color:rgb(129, 228, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 228, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 228, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 228, 220);  
box-shadow:4px 4px 4px 4px rgb(129, 228,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 65.3212, 0.2579, 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(129, 228, 220) }
```

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

```
.background{ background-color: rgb(129,  
228, 220) }
```

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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