

Converting Colors

$Y_{xy}(64.5361, 0.2530, 0.3341)$

Have a look what the booklet for
Yxy(64.5361, 0.2530, 0.3341)
contains.

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Color

Yxy(64.4035, 0.2531, 0.3339)

Conversions

Conversions Part 1

Format	Color
Hex	7AE3DF
RGB	122, 227, 223
RGB Percent	48%, 89%, 87%
CMY	0.5213, 0.1098, 0.1255
CMYK	0.46, 0.00, 0.02, 0.11
HSL	178°, 65%, 68%
HSV	178°, 46%, 89%
XYZ	48.8186, 64.4035, 79.6605
YIQ	195.1490, -61.2960, -23.5040

Conversions

Conversions Part 2

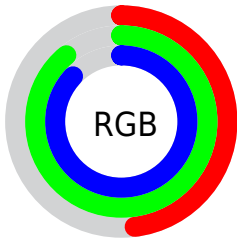
Format	Color
RYB	122, 176, 227
Decimal	8053727
CIELab	84.18, -31.37, -7.50
CIELCh	84, 32.252, 193.445
Yxy	64.4035, 0.2531, 0.3339
Android (android.graphics.Color)	4286243807 (0xFF7AE3DF)
YUV	195.1490, 13.7305, -64.1517
Hunter-Lab	80.2518, -31.8559, -2.6769

Details

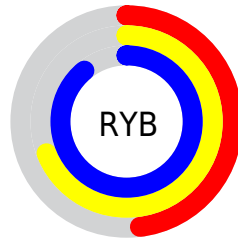
The Yxy color **64.4035, 0.2531, 0.3339** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **31.7720, 0.4335, 0.3247**, and the grayscale version is **54.6194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.4433, 0.2701, 0.3289**, and **32.9451, 0.2387, 0.3339** is the 20% darker color. If you saturate the color by 10%, you get **62.8904, 0.2443, 0.3351**, and if you desaturate by 10%, it is **66.3089, 0.2636, 0.3327**.

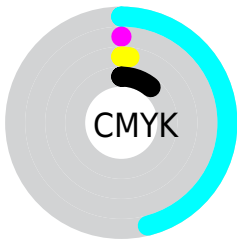
Distribution



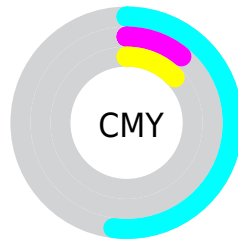
- Red (48%)
- Green (89%)
- Blue (87%)



- Red (48%)
- Yellow (69%)
- Blue (89%)



- Cyan (46%)
- Magenta (0%)
- Yellow (2%)
- Black (11%)





- Cyan (52%)
- Magenta (11%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4035, 0.2531, 0.3339 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 64.4035, 0.2531, 0.3339 by changing the saturation by 10% instead.


 64.4035, 0.2531,
0.3339


 64.4035, 0.2531,
0.3339


440.6453, 0.2808,
0.3321

 46.9776, 0.2468,
0.3342


 111.1918, 0.2627,
0.3334

 33.0179, 0.2389,
0.3344


 141.3230, 0.2665,
0.3332

 22.1402, 0.2290,
0.3346


 176.4581, 0.2697,
0.3330

 13.9599, 0.2161,
0.3347

216.9814, 0.2725,
0.3328

 8.0928, 0.1986,
0.3343

263.2774, 0.2750,
0.3326

 4.1544, 0.1737,
0.3329

315.7305, 0.2771,

 1.7603, 0.1355,

0.3324

374.7250, 0.2791,
0.3323

0.3286

0.4622, 0.0000,
0.3100

0.0000, 0.0000,
0.0000

64.4035, 0.2531,
0.3339

64.4035, 0.2531,
0.3339

62.8904, 0.2443,
0.3351

66.3089, 0.2636,
0.3327

61.7347, 0.2375,
0.3364

68.6237, 0.2757,
0.3316

60.9080, 0.2326,
0.3376


71.3731, 0.2890,
0.3305


60.3743, 0.2296,
0.3389

74.5781, 0.3034,
0.3296

 60.0885, 0.2282,
0.3401


 78.2583, 0.3185,
0.3287

 60.0161, 0.2280,
0.3406

 81.8093, 0.3316,
0.3279

 81.8576, 0.3310,
0.3270

 81.9062, 0.3304,
0.3261

 81.9551, 0.3298,
0.3253

Harmonies

Analogous

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



64.4035, 0.2833, 0.3725



64.4035, 0.2531, 0.3339



64.4035, 0.2387, 0.2969

Triad

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



64.4035, 0.2531, 0.3339



64.4035, 0.2986, 0.2703



64.4035, 0.3872, 0.3824

Complementary

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



64.4035, 0.2531, 0.3339



31.7720, 0.4335, 0.3247

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.



64.4035, 0.3929, 0.3528



64.4035, 0.2531, 0.3339



64.4035, 0.3398, 0.2906

Square

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



64.4035, 0.2531, 0.3339



64.4035, 0.2636, 0.2634



64.4035, 0.3752, 0.3199



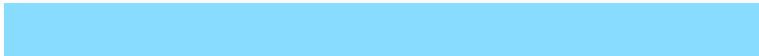
64.4035, 0.3609, 0.4002

Rectangle

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



64.4035, 0.2531, 0.3339



64.4035, 0.2392, 0.2786



64.4035, 0.3752, 0.3199



64.4035, 0.3916, 0.3734

Sweetspot

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



64.4060, 0.2531, 0.3339



93.7591, 0.2920, 0.3303



60.8792, 0.3090, 0.4729



19.8854, 0.2890, 0.3305



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.



64.4060, 0.2531, 0.3339



82.0275, 0.2450, 0.3350



42.2395, 0.2398, 0.2653



16.3264, 0.2987, 0.3299



35.0064, 0.2279, 0.3404



2.5898, 0.2274, 0.3386

Inverse Universe

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



31.7720, 0.4335, 0.3247



34.8233, 0.4724, 0.3242



46.2178, 0.4106, 0.3839



14.3769, 0.3287, 0.3281



9.5392, 0.6359, 0.3277



0.7081, 0.6242, 0.3213

Previews

White Background



This preview shows how the Yxy color 64.4035, 0.2531, 0.3339 looks on a white background.

Color Contrast Check

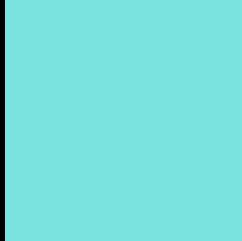
Large Text (above 18pt) WCAG AA × Fail

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 64.4035, 0.2531, 0.3339 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

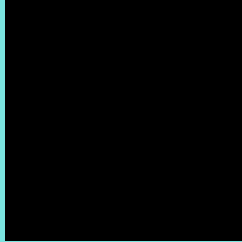
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4035, 0.2531, 0.3339

Background



This preview shows how black text looks on a background with the Yxy color 64.4035, 0.2531, 0.3339.

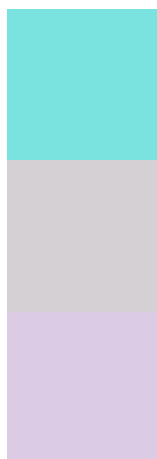


This preview shows how white text looks on a background with the Yxy color 64.4035, 0.2531, 0.3339.

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

64.4035, 0.2531, 0.3339

Protanopia

63.8119, 0.3136, 0.3256

Deuteranopia

63.5290, 0.3080, 0.3016



Tritanopia

64.3113, 0.2461, 0.3068

Trichromacy



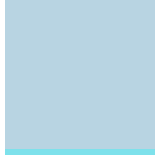
Original Color

64.4035, 0.2531, 0.3339



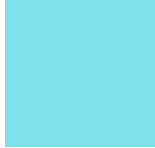
Protanomaly

63.0909, 0.2876, 0.3289



Deuteranomaly

62.7683, 0.2840, 0.3125



Tritanomaly

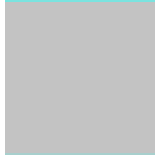
64.2842, 0.2487, 0.3164

Monochromacy



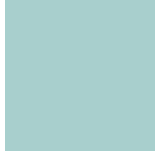
Original Color

64.4035, 0.2531, 0.3339



Achromatopsia

54.5724, 0.3127, 0.3290



Achromatomaly

57.3583, 0.2859, 0.3314

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4035, 0.2531, 0.3339 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(122, 227, 223)` looks like.

```
.text, #text, p{  
    color:rgb(122, 227, 223)  
}
```

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(122, 227, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 227, 223) }
```

Border

The CSS property to change the border of an element to Yxy 64.4035, 0.2531, 0.3339 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(122, 227, 223) }
```

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

```
.border{ border-color:rgb(122, 227, 223) }
```

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

Here you see how a box with a 4 pixel rgb(122, 227, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 227, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 227, 223);  
box-shadow:4px 4px 4px 4px rgb(122, 227,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4035, 0.2531, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 227, 223) }
```

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

```
.background{ background-color: rgb(122,  
227, 223) }
```

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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