

Converting Colors

$Y_{xy}(50.3650, 0.2274, 0.3104)$

Have a look what the booklet for
Yxy(50.3650, 0.2274, 0.3104)
contains.

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Color

Yxy(50.2812, 0.2276, 0.3106)

Conversions

Conversions Part 1

Format	Color
Hex	3ECEDB
RGB	62, 206, 219
RGB Percent	24%, 81%, 86%
CMY	0.7565, 0.1922, 0.1413
CMYK	0.72, 0.06, 0.00, 0.14
HSL	185°, 69%, 55%
HSV	185°, 72%, 86%
XYZ	36.8448, 50.2812, 74.7581
YIQ	164.4260, -89.9970, -26.4850

Conversions

Conversions Part 2

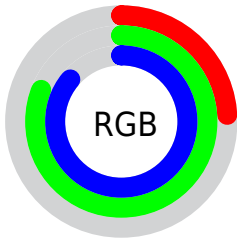
Format	Color
RYB	62, 137, 219
Decimal	4116187
CIELab	76.24, -33.02, -17.40
CIELCh	76, 37.326, 207.789
Yxy	50.2812, 0.2276, 0.3106
Android (android.graphics.Color)	4282306267 (0xFF3ECEDB)
YUV	164.4260, 26.9050, -89.8276
Hunter-Lab	70.9092, -31.3416, -12.8717

Details

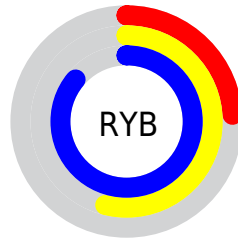
The Yxy color **50.2812, 0.2276, 0.3106** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **20.4456, 0.5447, 0.3417**, and the grayscale version is **37.2527, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.5653, 0.2486, 0.3288**, and **24.8136, 0.2179, 0.3043** is the 20% darker color. If you saturate the color by 10%, you get **48.8443, 0.2224, 0.3078**, and if you desaturate by 10%, it is **52.0170, 0.2347, 0.3135**.

Distribution



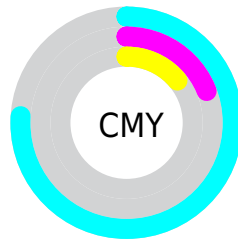
- Red (24%)
- Green (81%)
- Blue (86%)



- Red (24%)
- Yellow (54%)
- Blue (86%)



- Cyan (72%)
- Magenta (6%)
- Yellow (0%)
- Black (14%)




- Cyan (76%)
- Magenta (19%)
- Yellow (14%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.2812, 0.2276, 0.3106 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 50.2812, 0.2276, 0.3106 by changing the saturation by 10% instead.


 50.2812, 0.2276,
0.3106


 50.2812, 0.2276,
0.3106


387.7646, 0.2682,
0.3210


 35.6369, 0.2181,
0.3077


 90.5914, 0.2419,
0.3146

 24.1539, 0.2063,
0.3039


 117.0260, 0.2474,
0.3160

 15.4478, 0.1913,
0.2985


 148.1596, 0.2521,
0.3172

 9.1343, 0.1717,
0.2907

 184.3764, 0.2562,
0.3182

 4.8289, 0.1452,
0.2784

226.0609, 0.2597,
0.3191

 2.1472, 0.1084,
0.2573

273.5975, 0.2629,

 0.6910, 0.0000,

0.3198

0.2266

327.3706, 0.2657,
0.3204

■ 0.0000, 0.0000,
0.0000

■ 50.2812, 0.2276,
0.3106

■ 50.2812, 0.2276,
0.3106

■ 48.8443, 0.2224,
0.3078

■ 52.0170, 0.2347,
0.3135

■ 47.6641, 0.2191,
0.3049

■ 54.0767, 0.2437,
0.3163

■ 46.8240, 0.2174,
0.3026

■ 56.4888, 0.2544,
0.3190

■ 59.2772, 0.2668,
0.3217

■ 62.4635, 0.2803,
0.3242

66.0679, 0.2949,
0.3265

70.1090, 0.3102,
0.3287

74.6043, 0.3258,
0.3306

78.7703, 0.3385,
0.3324

Harmonies

Analogous

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



50.2812, 0.2556, 0.3614



50.2812, 0.2276, 0.3106



50.2812, 0.2208, 0.2710

Triad

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



50.2812, 0.2276, 0.3106



50.2812, 0.3191, 0.2669



50.2812, 0.3923, 0.4083

Complementary

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



50.2812, 0.2276, 0.3106



20.4456, 0.5447, 0.3417

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.



50.2812, 0.4136, 0.3758



50.2812, 0.2276, 0.3106



50.2812, 0.3699, 0.2974

Square

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



50.2812, 0.2276, 0.3106



50.2812, 0.2703, 0.2501



50.2812, 0.4057, 0.3360



50.2812, 0.3503, 0.4215

Rectangle

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



50.2812, 0.2276, 0.3106



50.2812, 0.2284, 0.2552



50.2812, 0.4057, 0.3360



50.2812, 0.4022, 0.3990

Sweetspot

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



50.2831, 0.2276, 0.3106



88.4280, 0.2810, 0.3243



52.1489, 0.2986, 0.5464



18.6450, 0.2771, 0.3236



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.



50.2831, 0.2276, 0.3106



68.0836, 0.2205, 0.3063



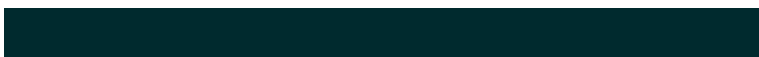
22.1260, 0.1980, 0.1925



14.6358, 0.2982, 0.3270



27.8515, 0.2175, 0.3031



1.8599, 0.2188, 0.3076

Inverse Universe

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



22.9677, 0.3348, 0.1828



28.6106, 0.3395, 0.1700



37.5349, 0.4658, 0.4250



13.2553, 0.3150, 0.3078



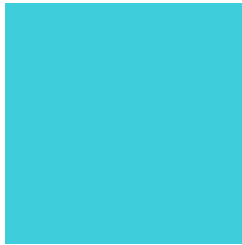
11.4354, 0.3427, 0.1662



0.7464, 0.3388, 0.1640

Previews

White Background



This preview shows how the Yxy color 50.2812, 0.2276, 0.3106 looks on a white background.

Color Contrast Check

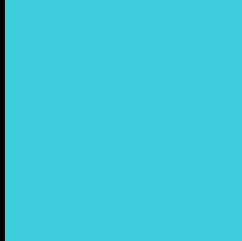
Large Text (above 18pt) WCAG AA × Fail

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 50.2812, 0.2276, 0.3106 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

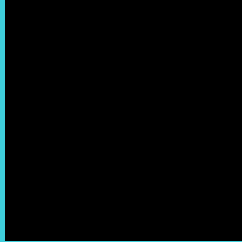
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.2812, 0.2276, 0.3106

Background



This preview shows how black text looks on a background with the Yxy color 50.2812, 0.2276, 0.3106.



This preview shows how white text looks on a background with the Yxy color 50.2812, 0.2276, 0.3106.

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

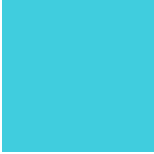
50.2812, 0.2276, 0.3106

Protanopia

49.3445, 0.2961, 0.3028

Deuteranopia

49.2768, 0.2848, 0.2783



Tritanopia

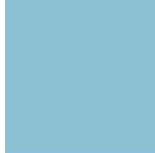
50.0266, 0.2265, 0.3051

Trichromacy



Original Color

50.2812, 0.2276, 0.3106



Protanomaly

48.4185, 0.2622, 0.3048



Deuteranomaly

48.1983, 0.2561, 0.2883



Tritanomaly

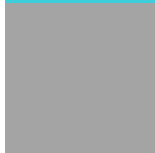
49.9399, 0.2266, 0.3064

Monochromacy



Original Color

50.2812, 0.2276, 0.3106



Achromatopsia

37.1238, 0.3127, 0.3290



Achromatomaly

40.2129, 0.2680, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2812, 0.2276, 0.3106 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(62, 206, 219)` looks like.

```
.text, #text, p{  
    color:rgb(62, 206, 219)  
}
```

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(62, 206, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 206, 219) }
```

Border

The CSS property to change the border of an element to Yxy 50.2812, 0.2276, 0.3106 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(62, 206, 219) }
```

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

```
.border{ border-color:rgb(62, 206, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 206, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 206, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 206, 219);  
box-shadow:4px 4px 4px 4px rgb(62, 206,  
219) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2812, 0.2276, 0.3106 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 206, 219) }
```

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

```
.background{ background-color: rgb(62, 206,  
219) }
```

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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