

Converting Colors

$Y_{xy}(60.9753, 0.2282, 0.3288)$

Have a look what the booklet for
Yxy(60.9753, 0.2282, 0.3288)
contains.

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Color

Yxy(60.9978, 0.2281, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	2BE3E3
RGB	43, 227, 227
RGB Percent	17%, 89%, 89%
CMY	0.8328, 0.1097, 0.1099
CMYK	0.81, 0.00, 0.00, 0.11
HSL	180°, 77%, 53%
HSV	180°, 81%, 89%
XYZ	42.3163, 60.9978, 82.2023
YIQ	171.9840, -109.6640, -39.0080

Conversions

Conversions Part 2

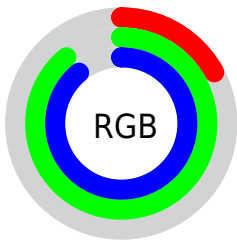
Format	Color
RYB	43, 135, 227
Decimal	2876387
CIELab	82.38, -42.25, -12.50
CIElCh	82, 44.059, 196.476
Yxy	60.9978, 0.2281, 0.3288
Android (android.graphics.Color)	4281066467 (0xFF2BE3E3)
YUV	171.9840, 27.1229, -113.1190
Hunter-Lab	78.1011, -39.9630, -7.7327

Details

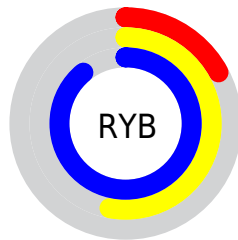
The Yxy color **60.9978, 0.2281, 0.3288** is a light color, and the websafe version is hex **00CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.2072, 0.5972, 0.3298**, and the grayscale version is **41.0943, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.0251, 0.2460, 0.3288**, and **32.1044, 0.2242, 0.3270** is the 20% darker color. If you saturate the color by 10%, you get **60.6422, 0.2257, 0.3288**, and if you desaturate by 10%, it is **61.6299, 0.2323, 0.3288**.

Distribution



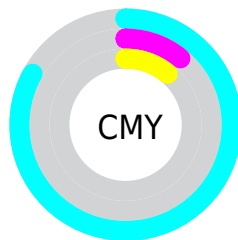
- Red (17%)
- Green (89%)
- Blue (89%)



- Red (17%)
- Yellow (53%)
- Blue (89%)



- Cyan (81%)
- Magenta (0%)
- Yellow (0%)
- Black (11%)



- Cyan (83%)
- Magenta (11%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.9978, 0.2281, 0.3288 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 60.9978, 0.2281, 0.3288 by changing the saturation by 10% instead.


 60.9978, 0.2281,
0.3288

 60.9978, 0.2281,
0.3288


428.2659, 0.2673,
0.3301

 44.2234, 0.2192,
0.3282

 106.2758, 0.2417,
0.3295


 30.8462, 0.2083,
0.3272


 135.5481, 0.2470,
0.3297

 20.4817, 0.1946,
0.3257


 169.7552, 0.2515,
0.3299

 12.7457, 0.1770,
0.3232

 209.2814, 0.2555,
0.3300

 7.2537, 0.1536,
0.3188

254.5112, 0.2590,
0.3300

 3.6212, 0.1218,
0.3104

305.8290, 0.2621,

 1.4640, 0.0554,

0.3301

0.2995

363.6191, 0.2648,
0.3301

■ 0.2632, 0.0000,
0.1832

■ 0.0000, 0.0000,
0.0000

■ 60.9978, 0.2281,
0.3288

■ 60.9978, 0.2281,
0.3288

■ 60.6422, 0.2257,
0.3288

■ 61.6299, 0.2323,
0.3288

■ 60.4940, 0.2247,
0.3288

■ 62.5713, 0.2384,
0.3288

■ 63.8576, 0.2465,
0.3288

■ 65.5178, 0.2564,
0.3289

67.5777, 0.2681,
0.3289

70.0609, 0.2812,
0.3289

72.9893, 0.2955,
0.3290

76.3832, 0.3108,
0.3290

80.2616, 0.3267,
0.3290

Harmonies

Analogous

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



60.9978, 0.2663, 0.3857



60.9978, 0.2281, 0.3288



60.9978, 0.2120, 0.2787

Triad

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



60.9978, 0.2281, 0.3288



60.9978, 0.2980, 0.2522



60.9978, 0.4125, 0.4039

Complementary

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



60.9978, 0.2281, 0.3288



18.2072, 0.5972, 0.3298

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.



60.9978, 0.4250, 0.3634



60.9978, 0.2281, 0.3288



60.9978, 0.3555, 0.2803

Square

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



60.9978, 0.2281, 0.3288



60.9978, 0.2493, 0.2404



60.9978, 0.4039, 0.3196



60.9978, 0.3729, 0.4292

Rectangle

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



60.9978, 0.2281, 0.3288



60.9978, 0.2144, 0.2562



60.9978, 0.4039, 0.3196



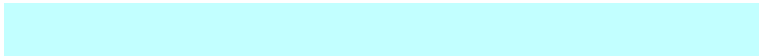
60.9978, 0.4202, 0.3914

Sweetspot

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



61.0001, 0.2281, 0.3288



90.1821, 0.2772, 0.3289



55.6951, 0.3017, 0.5791



19.0535, 0.2725, 0.3289



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.



61.0001, 0.2281, 0.3288



78.7860, 0.2249, 0.3288



24.2006, 0.1926, 0.1948



16.3364, 0.2982, 0.3290



35.2731, 0.2247, 0.3288



2.6066, 0.2247, 0.3288

Inverse Universe

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



18.2072, 0.5972, 0.3298



21.4429, 0.6365, 0.3300



32.9413, 0.5057, 0.4130



14.3681, 0.3293, 0.3290



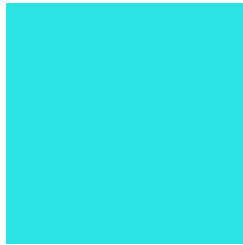
9.5243, 0.6401, 0.3300



0.7038, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 60.9978, 0.2281, 0.3288 looks on a white background.

Color Contrast Check

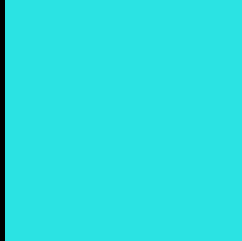
Large Text (above 18pt) WCAG AA × Fail

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 60.9978, 0.2281, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

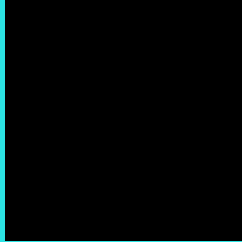
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.9978, 0.2281, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 60.9978, 0.2281, 0.3288.

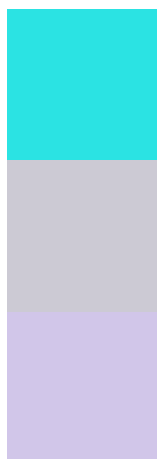


This preview shows how white text looks on a background with the Yxy color 60.9978, 0.2281, 0.3288.

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

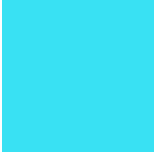
60.9978, 0.2281, 0.3288

Protanopia

59.8319, 0.3072, 0.3174

Deuteranopia

59.8267, 0.2964, 0.2898



Tritanopia

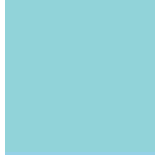
61.1913, 0.2237, 0.3056

Trichromacy



Original Color

60.9978, 0.2281, 0.3288



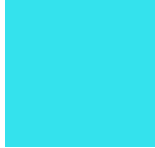
Protanomaly

57.6180, 0.2648, 0.3212



Deuteranomaly

57.7600, 0.2591, 0.3016



Tritanomaly

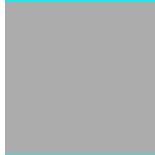
61.2372, 0.2254, 0.3144

Monochromacy



Original Color

60.9978, 0.2281, 0.3288



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

45.8650, 0.2640, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.9978, 0.2281, 0.3288 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(43, 227, 227)` looks like.

```
.text, #text, p{  
  color:rgb(43, 227, 227)  
}
```

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(43, 227, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(43, 227, 227) }
```

Border

The CSS property to change the border of an element to Yxy 60.9978, 0.2281, 0.3288 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(43, 227, 227) }
```

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

```
.border{ border-color:rgb(43, 227, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(43, 227, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(43, 227, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(43, 227, 227);  
box-shadow:4px 4px 4px 4px rgb(43, 227,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 60.9978, 0.2281, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(43, 227, 227) }
```

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

```
.background{ background-color: rgb(43, 227,  
227) }
```

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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