

Converting Colors

$Y_{xy}(58.6287, 0.2319, 0.3284)$

Have a look what the booklet for
Yxy(58.6287, 0.2319, 0.3284)
contains.

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Color

Yxy(58.5732, 0.2321, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	3FDEDE
RGB	63, 222, 222
RGB Percent	25%, 87%, 87%
CMY	0.7535, 0.1294, 0.1295
CMYK	0.72, 0.00, 0.00, 0.13
HSL	180°, 71%, 56%
HSV	180°, 72%, 87%
XYZ	41.3468, 58.5732, 78.2223
YIQ	174.4590, -94.7640, -33.7080

Conversions

Conversions Part 2

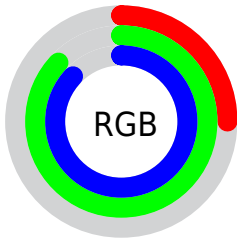
Format	Color
RYB	63, 143, 222
Decimal	4185822
CIELab	81.06, -39.49, -11.79
CIELCh	81, 41.214, 196.616
Yxy	58.5732, 0.2321, 0.3288
Android (android.graphics.Color)	4282375902 (0xFF3FDEDE)
YUV	174.4590, 23.4377, -97.7495
Hunter-Lab	76.5331, -37.4988, -7.0254

Details

The Yxy color **58.5732, 0.2321, 0.3288** 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 **19.4284, 0.5565, 0.3297**, and the grayscale version is **42.4692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **30.0625, 0.2242, 0.3269** is the 20% darker color. If you saturate the color by 10%, you get **57.9875, 0.2280, 0.3288**, and if you desaturate by 10%, it is **59.4576, 0.2381, 0.3288**.

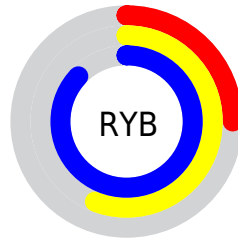
Distribution



Red (25%)

Green (87%)

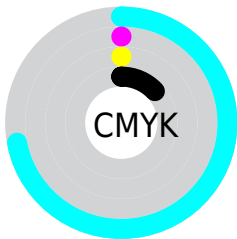
Blue (87%)



Red (25%)

Yellow (56%)

Blue (87%)

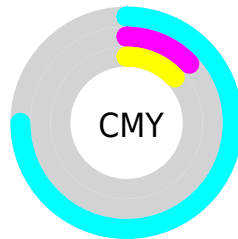


Cyan (72%)

Magenta (0%)

Yellow (0%)

Black (13%)



Cyan (75%)


Magenta (13%)

Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.5732, 0.2321, 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 58.5732, 0.2321, 0.3288 by changing the saturation by 10% instead.


 58.5732, 0.2321,
0.3288


 58.5732, 0.2321,
0.3288


419.3184, 0.2698,
0.3300


 42.2696, 0.2235,
0.3282


 102.7571, 0.2452,
0.3295


 29.3125, 0.2128,
0.3273

 131.4062, 0.2503,
0.3297

 19.3173, 0.1993,
0.3259


 164.9393, 0.2547,
0.3298

 11.8998, 0.1819,
0.3235

 203.7408, 0.2585,
0.3299

 6.6755, 0.1585,
0.3193

248.1951, 0.2618,
0.3299

 3.2600, 0.1261,
0.3111

298.6865, 0.2648,

 1.2689, 0.0476,

0.3300

355.5995, 0.2674,
0.3300

0.3033

0.1170, 0.0000,
0.1095

0.0000, 0.0000,
0.0000

58.5732, 0.2321,
0.3288

58.5732, 0.2321,
0.3288

57.9875, 0.2280,
0.3288

59.4576, 0.2381,
0.3288


57.6560, 0.2256,
0.3288


60.6657, 0.2461,
0.3288


57.5228, 0.2247,
0.3288


62.2272, 0.2560,
0.3289

64.1670, 0.2675,
0.3289

 66.5073, 0.2806,
0.3289

 69.2690, 0.2949,
0.3290

 72.4713, 0.3101,
0.3290

 76.1322, 0.3259,
0.3290

 78.7854, 0.3364,
0.3291

Harmonies

Analogous

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



58.5732, 0.2686, 0.3823



58.5732, 0.2321, 0.3288



58.5732, 0.2167, 0.2813

Triad

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



58.5732, 0.2321, 0.3288



58.5732, 0.2991, 0.2558



58.5732, 0.4075, 0.4007

Complementary

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



58.5732, 0.2321, 0.3288



19.4284, 0.5565, 0.3297

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.



58.5732, 0.4192, 0.3624



58.5732, 0.2321, 0.3288



58.5732, 0.3537, 0.2828

Square

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



58.5732, 0.2321, 0.3288



58.5732, 0.2526, 0.2446



58.5732, 0.3993, 0.3205



58.5732, 0.3700, 0.4241

Rectangle

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



58.5732, 0.2321, 0.3288



58.5732, 0.2190, 0.2597



58.5732, 0.3993, 0.3205



58.5732, 0.4148, 0.3889

Sweetspot

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



58.5754, 0.2321, 0.3288



90.8678, 0.2799, 0.3289



53.7488, 0.3029, 0.5570



19.2517, 0.2762, 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.



58.5754, 0.2321, 0.3288



79.1071, 0.2266, 0.3288



26.6042, 0.2031, 0.2130



15.5723, 0.2982, 0.3290



34.1624, 0.2247, 0.3288



2.3680, 0.2247, 0.3288

Inverse Universe

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



19.4284, 0.5565, 0.3297



22.6295, 0.6148, 0.3299



34.5817, 0.4796, 0.4108



13.7006, 0.3292, 0.3290



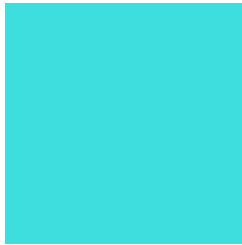
9.2243, 0.6401, 0.3300



0.6394, 0.6400, 0.3299

Previews

White Background



This preview shows how the Yxy color 58.5732, 0.2321, 0.3288 looks on a white background.

Color Contrast Check

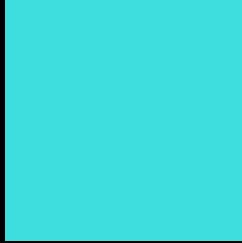
Large Text (above 18pt) WCAG AA × Fail

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 58.5732, 0.2321, 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

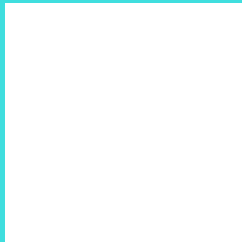
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.5732, 0.2321, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 58.5732, 0.2321, 0.3288.

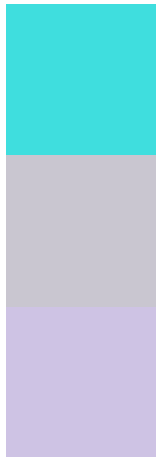


This preview shows how white text looks on a background with the Yxy color 58.5732, 0.2321, 0.3288.

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

58.5732, 0.2321, 0.3288

Protanopia

57.3597, 0.3078, 0.3172

Deuteranopia

57.7535, 0.2976, 0.2914



Tritanopia

58.7173, 0.2278, 0.3066

Trichromacy



Original Color

58.5732, 0.2321, 0.3288



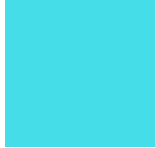
Protanomaly

56.0091, 0.2700, 0.3212



Deuteranomaly

56.0237, 0.2641, 0.3027



Tritanomaly

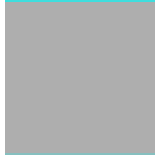
58.8043, 0.2291, 0.3143

Monochromacy



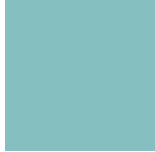
Original Color

58.5732, 0.2321, 0.3288



Achromatopsia

42.3268, 0.3127, 0.3290



Achromatomaly

46.0915, 0.2702, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.5732, 0.2321, 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(63, 222, 222)` looks like.

```
.text, #text, p{  
    color:rgb(63, 222, 222)  
}
```

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(63, 222, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 222, 222) }
```

Border

The CSS property to change the border of an element to Yxy 58.5732, 0.2321, 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(63, 222, 222) }
```

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

```
.border{ border-color:rgb(63, 222, 222) }
```

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

Here you see how a box with a 4 pixel rgb(63, 222, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 222, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 222, 222);  
box-shadow:4px 4px 4px 4px rgb(63, 222,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 58.5732, 0.2321, 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(63, 222, 222) }
```

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

```
.background{ background-color: rgb(63, 222,  
222) }
```

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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