

Converting Colors

$Yxy(58.4711, 0.2288, 0.3054)$

Have a look what the booklet for
Yxy(58.4711, 0.2288, 0.3054)
contains.

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Color

Yxy(58.3972, 0.2288, 0.3054)

Conversions

Conversions Part 1

Format	Color
Hex	4EDBED
RGB	78, 219, 237
RGB Percent	31%, 86%, 93%
CMY	0.6945, 0.1411, 0.0707
CMYK	0.67, 0.08, 0.00, 0.07
HSL	187°, 82%, 62%
HSV	187°, 67%, 93%
XYZ	43.7501, 58.3972, 89.0682
YIQ	178.8930, -89.8140, -24.2940

Conversions

Conversions Part 2

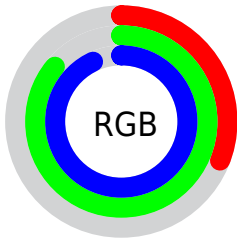
Format	Color
RYB	78, 153, 237
Decimal	5168109
CIELab	80.96, -31.87, -19.88
CIElCh	81, 37.561, 211.949
Yxy	58.3972, 0.2288, 0.3054
Android (android.graphics.Color)	4283358189 (0xFF4EDBED)
YUV	178.8930, 28.6468, -88.4832
Hunter-Lab	76.4181, -31.5386, -15.6121

Details

The Yxy color **58.3972, 0.2288, 0.3054** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.8902, 0.5214, 0.3465**, and the grayscale version is **44.8864, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.7597, 0.2541, 0.3288**, and **29.8871, 0.2165, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **56.1886, 0.2224, 0.3014**, and if you desaturate by 10%, it is **60.9929, 0.2371, 0.3094**.

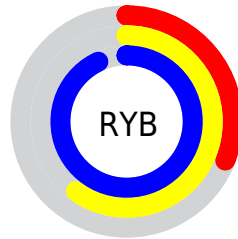
Distribution



Red (31%)

Green (86%)

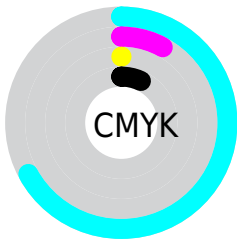
Blue (93%)



Red (31%)

Yellow (60%)

Blue (93%)

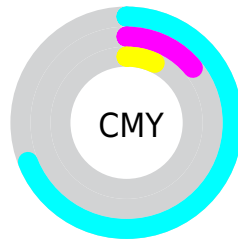


Cyan (67%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (69%)


Magenta (14%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.3972, 0.2288, 0.3054 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 58.3972, 0.2288, 0.3054 by changing the saturation by 10% instead.


 58.3972, 0.2288,
0.3054


 58.3972, 0.2288,
0.3054


418.6644, 0.2678,
0.3180


 42.1281, 0.2200,
0.3021


 102.5010, 0.2423,
0.3101


 29.2016, 0.2091,
0.2979

 131.1045, 0.2475,
0.3118

 19.2334, 0.1955,
0.2922


 164.5883, 0.2521,
0.3133

 11.8390, 0.1780,
0.2842

 203.3366, 0.2560,
0.3145

 6.6342, 0.1548,
0.2723

247.7340, 0.2595,
0.3155

 3.2344, 0.1233,
0.2535

298.1649, 0.2626,

 1.2553, 0.0669,

0.3165

0.2239

355.0135, 0.2653,
0.3173

■ 0.1062, 0.0000,
0.0618

■ 0.0000, 0.0000,
0.0000

■ 58.3972, 0.2288,
0.3054

■ 58.3972, 0.2288,
0.3054

■ 56.1886, 0.2224,
0.3014

■ 60.9929, 0.2371,
0.3094

■ 54.3195, 0.2179,
0.2975

■ 64.0040, 0.2473,
0.3132

■ 52.7391, 0.2152,
0.2936

■ 67.4635, 0.2591,
0.3170


■ 52.3141, 0.2146,
0.2925


■ 71.3993, 0.2723,
0.3205

 75.8367, 0.2866,
0.3239

 80.7993, 0.3017,
0.3270

 86.3092, 0.3172,
0.3298

 89.9420, 0.3245,
0.3324

 91.5329, 0.3243,
0.3350

Harmonies

Analogous

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



58.3972, 0.2532, 0.3533



58.3972, 0.2288, 0.3054



58.3972, 0.2252, 0.2697

Triad

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



58.3972, 0.2288, 0.3054



58.3972, 0.3259, 0.2727



58.3972, 0.3845, 0.4082

Complementary

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



58.3972, 0.2288, 0.3054



26.8902, 0.5214, 0.3465

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.



58.3972, 0.4081, 0.3792



58.3972, 0.2288, 0.3054



58.3972, 0.3735, 0.3036

Square

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



58.3972, 0.2288, 0.3054



58.3972, 0.2780, 0.2544



58.3972, 0.4044, 0.3413



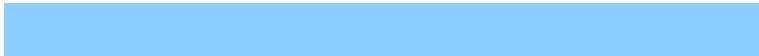
58.3972, 0.3424, 0.4169

Rectangle

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



58.3972, 0.2288, 0.3054



58.3972, 0.2344, 0.2561



58.3972, 0.4044, 0.3413



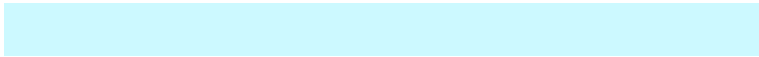
58.3972, 0.3949, 0.4002

Sweetspot

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



58.3994, 0.2288, 0.3054



87.9579, 0.2823, 0.3229



62.9755, 0.2971, 0.5282



18.5078, 0.2783, 0.3220



0.0000, 0.0000, 0.0000



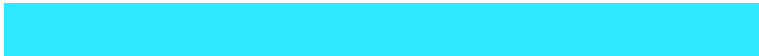
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



58.3994, 0.2288, 0.3054



65.3908, 0.2203, 0.2998



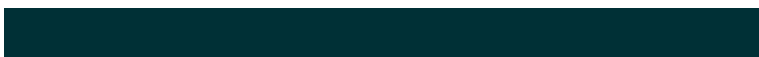
26.9356, 0.2019, 0.1941



16.8144, 0.2981, 0.3263



28.6906, 0.2148, 0.2931



2.3356, 0.2163, 0.2985

Inverse Universe

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



28.5507, 0.3387, 0.1918



29.2187, 0.3449, 0.1773



48.5696, 0.4511, 0.4271



15.2828, 0.3155, 0.3084



12.3891, 0.3515, 0.1710



0.9812, 0.3467, 0.1684

Previews

White Background



This preview shows how the Yxy color 58.3972, 0.2288, 0.3054 looks on a white background.

Color Contrast Check

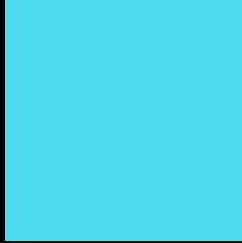
Large Text (above 18pt) WCAG AA × Fail

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 58.3972, 0.2288, 0.3054 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

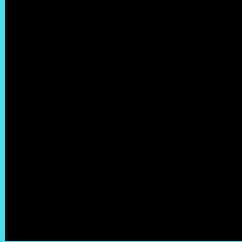
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 58.3972, 0.2288, 0.3054

Background



This preview shows how black text looks on a background with the Yxy color 58.3972, 0.2288, 0.3054.

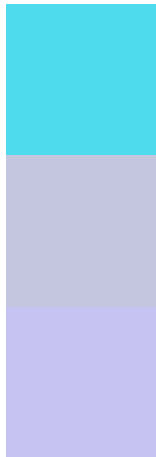


This preview shows how white text looks on a background with the Yxy color 58.3972, 0.2288, 0.3054.

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

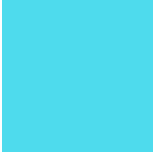
58.3972, 0.2288, 0.3054

Protanopia

57.4516, 0.2936, 0.2998

Deuteranopia

57.4468, 0.2825, 0.2758



Tritanopia

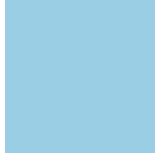
58.3972, 0.2288, 0.3054

Trichromacy



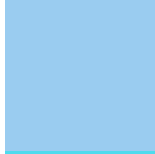
Original Color

58.3972, 0.2288, 0.3054



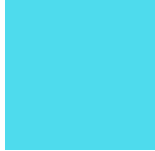
Protanomaly

56.5164, 0.2625, 0.3015



Deuteranomaly

56.3470, 0.2563, 0.2851



Tritanomaly

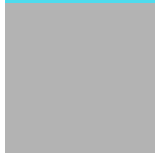
58.3972, 0.2288, 0.3054

Monochromacy



Original Color

58.3972, 0.2288, 0.3054



Achromatopsia

45.0786, 0.3127, 0.3290



Achromatomaly

48.5045, 0.2703, 0.3207

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.3972, 0.2288, 0.3054 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(78, 219, 237)` looks like.

```
.text, #text, p{  
  color:rgb(78, 219, 237)  
}
```

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(78, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 219, 237) }
```

Border

The CSS property to change the border of an element to Yxy 58.3972, 0.2288, 0.3054 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(78, 219, 237) }
```

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

```
.border{ border-color:rgb(78, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(78, 219,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 58.3972, 0.2288, 0.3054 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 219, 237) }
```

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

```
.background{ background-color: rgb(78, 219,  
237) }
```

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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