

Converting Colors

$Y_{xy}(54.3066, 0.2232, 0.2971)$

Have a look what the booklet for
Yxy(54.3066, 0.2232, 0.2971)
contains.

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Color

Yxy(54.1999, 0.2231, 0.2968)

Conversions

Conversions Part 1

Format	Color
Hex	3FD4EC
RGB	63, 212, 236
RGB Percent	25%, 83%, 93%
CMY	0.7523, 0.1687, 0.0745
CMYK	0.73, 0.10, 0.00, 0.07
HSL	188°, 82%, 59%
HSV	188°, 73%, 93%
XYZ	40.7412, 54.1999, 87.6731
YIQ	170.1850, -96.5080, -24.1240

Conversions

Conversions Part 2

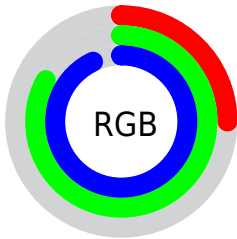
Format	Color
R _Y B	63, 143, 236
Decimal	4183276
CIE Lab	78.58, -30.67, -23.00
CIE LCh	79, 38.336, 216.867
Yxy	54.1999, 0.2231, 0.2968
Android (android.graphics.Color)	4282373356 (0xFF3FD4EC)
YUV	170.1850, 32.4468, -94.0012
Hunter-Lab	73.6206, -30.0551, -19.0727

Details

The Yxy color **54.1999, 0.2231, 0.2968** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light washed cyan. A complement of this color would be **25.0391, 0.5446, 0.3504**, and the grayscale version is **40.1902, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8083, 0.2497, 0.3288**, and **27.4092, 0.2134, 0.2882** is the 20% darker color. If you saturate the color by 10%, you get **51.9596, 0.2175, 0.2918**, and if you desaturate by 10%, it is **56.8105, 0.2306, 0.3018**.

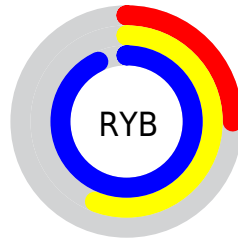
Distribution



Red (25%)

Green (83%)

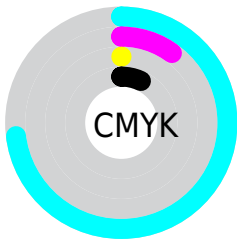
Blue (93%)



Red (25%)

Yellow (56%)

Blue (93%)

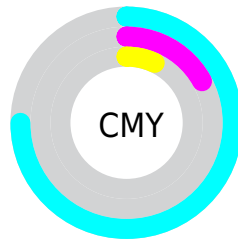


Cyan (73%)

Magenta (10%)

Yellow (0%)

Black (7%)



Cyan (75%)


Magenta (17%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1999, 0.2231, 0.2968 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 54.1999, 0.2231, 0.2968 by changing the saturation by 10% instead.


 54.1999, 0.2231,
0.2968


 54.1999, 0.2231,
0.2968


402.8718, 0.2650,
0.3138


 38.7615, 0.2135,
0.2924


 96.3677, 0.2377,
0.3031

 26.5742, 0.2017,
0.2867


 123.8659, 0.2433,
0.3054

 17.2537, 0.1869,
0.2792


 156.1528, 0.2482,
0.3074

 10.4156, 0.1679,
0.2686

 193.6128, 0.2525,
0.3090

 5.6753, 0.1427,
0.2530

236.6303, 0.2562,
0.3105

 2.6487, 0.1089,
0.2286

285.5897, 0.2595,

 0.9512, 0.0314,

0.3117

0.1938

340.8754, 0.2624,
0.3128

0.0000, 0.0000,
0.0000

54.1999, 0.2231,
0.2968

54.1999, 0.2231,
0.2968

51.9596, 0.2175,
0.2918

56.8105, 0.2306,
0.3018

50.0375, 0.2138,
0.2869

59.8233, 0.2400,
0.3066

48.8712, 0.2121,
0.2837


63.2734, 0.2512,
0.3114

67.1899, 0.2638,
0.3159

71.5995, 0.2777,
0.3202

 76.5267, 0.2924,
0.3242

 81.9944, 0.3077,
0.3279

 88.0238, 0.3233,
0.3312

 90.5234, 0.3250,
0.3344

Harmonies

Analogous

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



54.1999, 0.2450, 0.3458



54.1999, 0.2231, 0.2968



54.1999, 0.2230, 0.2626

Triad

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



54.1999, 0.2231, 0.2968



54.1999, 0.3350, 0.2749



54.1999, 0.3813, 0.4151

Complementary

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



54.1999, 0.2231, 0.2968



25.0391, 0.5446, 0.3504

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.



54.1999, 0.4101, 0.3870



54.1999, 0.2231, 0.2968



54.1999, 0.3832, 0.3085

Square

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



54.1999, 0.2231, 0.2968



54.1999, 0.2839, 0.2534



54.1999, 0.4115, 0.3482



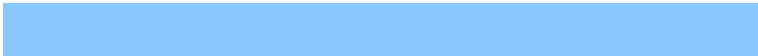
54.1999, 0.3353, 0.4199

Rectangle

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



54.1999, 0.2231, 0.2968



54.1999, 0.2348, 0.2509



54.1999, 0.4115, 0.3482



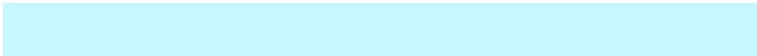
54.1999, 0.3935, 0.4076

Sweetspot

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



54.2019, 0.2231, 0.2968



85.9964, 0.2793, 0.3207



61.7305, 0.2948, 0.5393



18.0834, 0.2754, 0.3196



0.0000, 0.0000, 0.0000



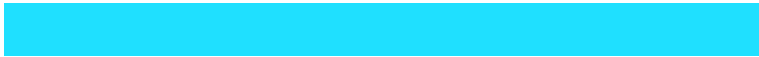
21.4041, 0.3127, 0.3290

Same Dimension

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



54.2019, 0.2231, 0.2968



60.7230, 0.2154, 0.2893



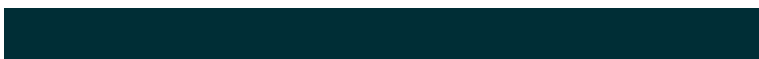
22.1784, 0.1913, 0.1716



16.7443, 0.2981, 0.3256



27.0811, 0.2124, 0.2845



2.2248, 0.2142, 0.2912

Inverse Universe

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



26.1599, 0.3467, 0.1879



27.5916, 0.3545, 0.1774



47.9394, 0.4594, 0.4373



15.2757, 0.3159, 0.3090



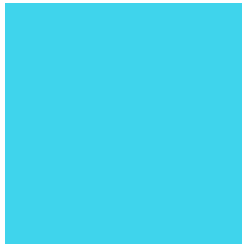
12.2267, 0.3594, 0.1753



0.9700, 0.3532, 0.1720

Previews

White Background



This preview shows how the Yxy color 54.1999, 0.2231, 0.2968 looks on a white background.

Color Contrast Check

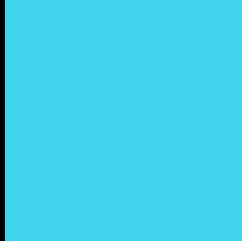
Large Text (above 18pt) WCAG AA × Fail

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 54.1999, 0.2231, 0.2968 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 54.1999, 0.2231, 0.2968

Background



This preview shows how black text looks on a background with the Yxy color 54.1999, 0.2231, 0.2968.



This preview shows how white text looks on a background with the Yxy color 54.1999, 0.2231, 0.2968.

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

54.1999, 0.2231, 0.2968

Protanopia

53.1003, 0.2874, 0.2917

Deuteranopia

53.3109, 0.2749, 0.2686



Tritanopia

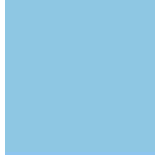
54.2315, 0.2249, 0.3058

Trichromacy



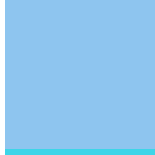
Original Color

54.1999, 0.2231, 0.2968



Protanomaly

52.1437, 0.2554, 0.2931



Deuteranomaly

51.9153, 0.2486, 0.2764



Tritanomaly

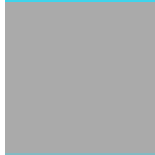
54.4068, 0.2245, 0.3032

Monochromacy



Original Color

54.1999, 0.2231, 0.2968



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.4183, 0.2653, 0.3161

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1999, 0.2231, 0.2968 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, 212, 236)` looks like.

```
.text, #text, p{  
    color:rgb(63, 212, 236)  
}
```

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, 212, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 212, 236) }
```

Border

The CSS property to change the border of an element to Yxy 54.1999, 0.2231, 0.2968 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, 212, 236) }
```

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

```
.border{ border-color:rgb(63, 212, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 212, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 212, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 212, 236);  
box-shadow:4px 4px 4px 4px rgb(63, 212,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1999, 0.2231, 0.2968 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 212, 236) }
```

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

```
.background{ background-color: rgb(63, 212,  
236) }
```

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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