

Converting Colors

$Y_{xy}(53.2599, 0.2251, 0.3011)$

Have a look what the booklet for
Yxy(53.2599, 0.2251, 0.3011)
contains.

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Color

Yxy(53.5163, 0.2254, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	42D3E7
RGB	66, 211, 231
RGB Percent	26%, 83%, 91%
CMY	0.7410, 0.1726, 0.0940
CMYK	0.71, 0.09, 0.00, 0.09
HSL	187°, 77%, 58%
HSV	187°, 71%, 91%
XYZ	39.9688, 53.5163, 83.8387
YIQ	169.9250, -92.8400, -24.5200

Conversions

Conversions Part 2

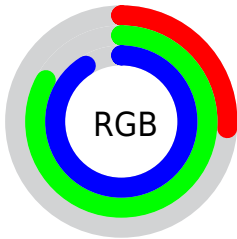
Format	Color
RYB	66, 143, 231
Decimal	4379623
CIELab	78.18, -31.35, -20.93
CIELCh	78, 37.694, 213.737
Yxy	53.5163, 0.2254, 0.3018
Android (android.graphics.Color)	4282569703 (0xFF42D3E7)
YUV	169.9250, 30.1100, -91.1422
Hunter-Lab	73.1548, -30.4960, -16.7406

Details

The Yxy color **53.5163, 0.2254, 0.3018** 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 **24.0527, 0.5389, 0.3477**, and the grayscale version is **40.0486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.8909, 0.2501, 0.3288**, and **26.8721, 0.2152, 0.2946** is the 20% darker color. If you saturate the color by 10%, you get **51.4898, 0.2197, 0.2975**, and if you desaturate by 10%, it is **55.8949, 0.2330, 0.3061**.

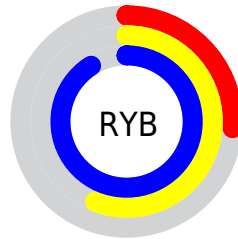
Distribution



Red (26%)

Green (83%)

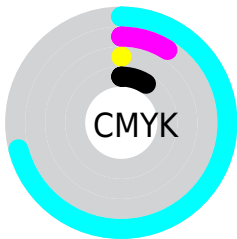
Blue (91%)



Red (26%)

Yellow (56%)

Blue (91%)

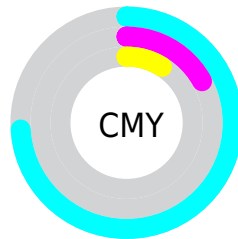


Cyan (71%)

Magenta (9%)

Yellow (0%)

Black (9%)



Cyan (74%)


Magenta (17%)


Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.5163, 0.2254, 0.3018 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 53.5163, 0.2254, 0.3018 by changing the saturation by 10% instead.

 53.5163, 0.2254,
0.3018


 53.5163, 0.2254,
0.3018


400.2628, 0.2665,
0.3164


 38.2151, 0.2160,
0.2980


 95.3637, 0.2397,
0.3073


 26.1497, 0.2043,
0.2930


 122.6786, 0.2453,
0.3093

 16.9356, 0.1897,
0.2862


 154.7669, 0.2500,
0.3109

 10.1886, 0.1707,
0.2767

 192.0130, 0.2542,
0.3124

 5.5242, 0.1454,
0.2625

234.8012, 0.2578,
0.3136

 2.5580, 0.1111,
0.2396

283.5160, 0.2610,

 0.9056, 0.0220,

0.3146

0.2085

338.5417, 0.2639,
0.3155

■ 0.0000, 0.0000,
0.0000

■ 53.5163, 0.2254,
0.3018

■ 53.5163, 0.2254,
0.3018

■ 51.4898, 0.2197,
0.2975

■ 55.8949, 0.2330,
0.3061

■ 49.7676, 0.2159,
0.2933


■ 58.6547, 0.2426,
0.3103


■ 48.4744, 0.2138,
0.2897

■ 61.8280, 0.2538,
0.3144


■ 65.4420, 0.2665,
0.3183

■ 69.5217, 0.2804,
0.3220

 74.0898, 0.2952,
0.3254

 79.1676, 0.3105,
0.3286

 84.7753, 0.3261,
0.3314

 87.1556, 0.3287,
0.3342

Harmonies

Analogous

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



53.5163, 0.2492, 0.3510



53.5163, 0.2254, 0.3018



53.5163, 0.2230, 0.2661

Triad

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



53.5163, 0.2254, 0.3018



53.5163, 0.3294, 0.2726



53.5163, 0.3845, 0.4120

Complementary

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



53.5163, 0.2254, 0.3018



24.0527, 0.5389, 0.3477

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.



53.5163, 0.4104, 0.3827



53.5163, 0.2254, 0.3018



53.5163, 0.3780, 0.3049

Square

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



53.5163, 0.2254, 0.3018



53.5163, 0.2795, 0.2529



53.5163, 0.4086, 0.3439



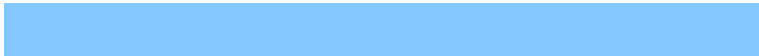
53.5163, 0.3403, 0.4196

Rectangle

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



53.5163, 0.2254, 0.3018



53.5163, 0.2333, 0.2531



53.5163, 0.4086, 0.3439



53.5163, 0.3958, 0.4040

Sweetspot

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



53.5183, 0.2254, 0.3018



87.1432, 0.2808, 0.3221



58.9838, 0.2959, 0.5372



18.3350, 0.2769, 0.3211



0.0000, 0.0000, 0.0000



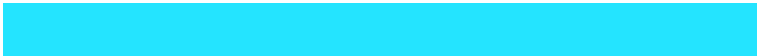
21.4041, 0.3127, 0.3290

Same Dimension

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



53.5183, 0.2254, 0.3018



63.2883, 0.2176, 0.2954



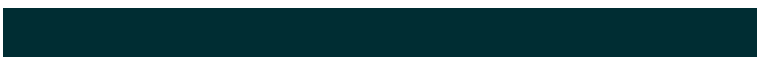
22.7066, 0.1950, 0.1802



16.0221, 0.2982, 0.3261



27.2930, 0.2140, 0.2904



2.1013, 0.2157, 0.2965

Inverse Universe

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



25.5972, 0.3422, 0.1877



28.1265, 0.3490, 0.1756



45.3105, 0.4580, 0.4332



14.5835, 0.3156, 0.3086



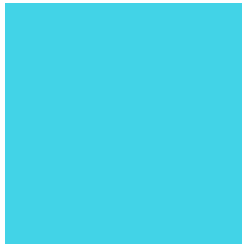
11.9530, 0.3540, 0.1724



0.8918, 0.3485, 0.1694

Previews

White Background



This preview shows how the Yxy color 53.5163, 0.2254, 0.3018 looks on a white background.

Color Contrast Check

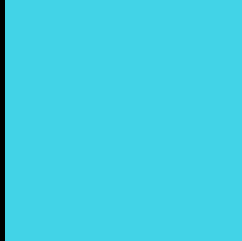
Large Text (above 18pt) WCAG AA × Fail

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 53.5163, 0.2254, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

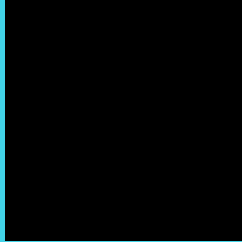
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.5163, 0.2254, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 53.5163, 0.2254, 0.3018.



This preview shows how white text looks on a background with the Yxy color 53.5163, 0.2254, 0.3018.

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

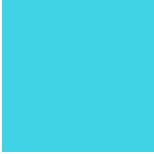
53.5163, 0.2254, 0.3018

Protanopia

52.5280, 0.2915, 0.2963

Deuteranopia

52.7139, 0.2787, 0.2727



Tritanopia

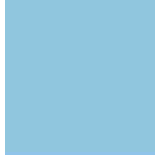
53.3357, 0.2257, 0.3044

Trichromacy



Original Color

53.5163, 0.2254, 0.3018



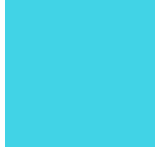
Protanomaly

51.5914, 0.2592, 0.2979



Deuteranomaly

51.3497, 0.2522, 0.2810



Tritanomaly

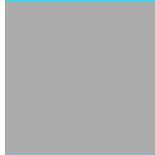
53.4255, 0.2256, 0.3031

Monochromacy



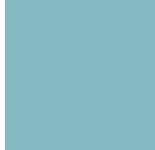
Original Color

53.5163, 0.2254, 0.3018



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

43.4092, 0.2673, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.5163, 0.2254, 0.3018 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(66, 211, 231)` looks like.

```
.text, #text, p{  
    color:rgb(66, 211, 231)  
}
```

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(66, 211, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 211, 231) }
```

Border

The CSS property to change the border of an element to Yxy 53.5163, 0.2254, 0.3018 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(66, 211, 231) }
```

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

```
.border{ border-color:rgb(66, 211, 231) }
```

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

Here you see how a box with a 4 pixel rgb(66, 211, 231) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 211, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 211, 231);  
box-shadow:4px 4px 4px 4px rgb(66, 211,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 53.5163, 0.2254, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 211, 231) }
```

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

```
.background{ background-color: rgb(66, 211,  
231) }
```

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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