

Converting Colors

$Y_{xy}(54.7646, 0.2276, 0.3072)$

Have a look what the booklet for
Yxy(54.7646, 0.2276, 0.3072)
contains.

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Color

Yxy(54.5669, 0.2272, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	45D5E6
RGB	69, 213, 230
RGB Percent	27%, 84%, 90%
CMY	0.7299, 0.1647, 0.0979
CMYK	0.70, 0.07, 0.00, 0.10
HSL	186°, 76%, 59%
HSV	186°, 70%, 90%
XYZ	40.5283, 54.5669, 83.2863
YIQ	171.8820, -91.2810, -25.2410

Conversions

Conversions Part 2

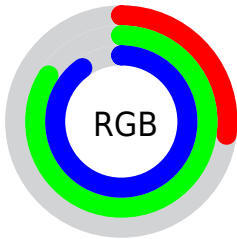
Format	Color
RYB	69, 145, 230
Decimal	4576742
CIELab	78.79, -32.25, -19.48
CIELCh	79, 37.671, 211.131
Yxy	54.5669, 0.2272, 0.3059
Android (android.graphics.Color)	4282766822 (0xFF45D5E6)
YUV	171.8820, 28.6522, -90.2275
Hunter-Lab	73.8694, -31.3379, -15.1397

Details

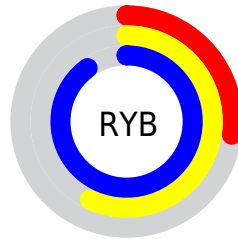
The Yxy color **54.5669, 0.2272, 0.3059** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **23.8972, 0.5352, 0.3453**, and the grayscale version is **41.0635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.0584, 0.2508, 0.3288**, and **27.5097, 0.2167, 0.3000** is the 20% darker color. If you saturate the color by 10%, you get **52.6725, 0.2215, 0.3022**, and if you desaturate by 10%, it is **56.8093, 0.2349, 0.3096**.

Distribution



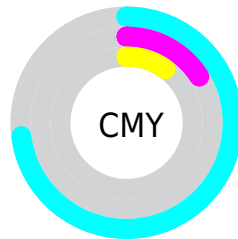
- Red (27%)
- Green (84%)
- Blue (90%)



- Red (27%)
- Yellow (57%)
- Blue (90%)



- Cyan (70%)
- Magenta (7%)
- Yellow (0%)
- Black (10%)




- Cyan (73%)
- Magenta (16%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.5669, 0.2272, 0.3059 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 54.5669, 0.2272, 0.3059 by changing the saturation by 10% instead.


 54.5669, 0.2272,
0.3059


 54.5669, 0.2272,
0.3059

404.2681, 0.2674,
0.3184


 39.0551, 0.2180,
0.3026


 96.9061, 0.2412,
0.3106


 26.8026, 0.2066,
0.2982


 124.5023, 0.2466,
0.3123

 17.4250, 0.1923,
0.2923

 156.8954, 0.2513,
0.3138

 10.5380, 0.1737,
0.2839

 194.4697, 0.2553,
0.3150

 5.7571, 0.1490,
0.2712

237.6098, 0.2589,
0.3160

 2.6979, 0.1152,
0.2506

286.6999, 0.2620,

 0.9761, 0.0314,

0.3169

0.2222

342.1246, 0.2648,
0.3177

■ 0.0000, 0.0000,
0.0000

■ 54.5669, 0.2272,
0.3059

■ 54.5669, 0.2272,
0.3059

■ 52.6725, 0.2215,
0.3022

■ 56.8093, 0.2349,
0.3096

■ 51.0798, 0.2176,
0.2985

■ 59.4276, 0.2445,
0.3132

■ 49.7290, 0.2153,
0.2950


■ 62.4531, 0.2557,
0.3168


■ 65.9127, 0.2685,
0.3201

■ 69.8303, 0.2824,
0.3233

 74.2285, 0.2972,
0.3263

 79.1282, 0.3126,
0.3290

 84.5488, 0.3283,
0.3314

 86.3259, 0.3295,
0.3338

Harmonies

Analogous

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



54.5669, 0.2526, 0.3553



54.5669, 0.2272, 0.3059



54.5669, 0.2229, 0.2689

Triad

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



54.5669, 0.2272, 0.3059



54.5669, 0.3248, 0.2707



54.5669, 0.3872, 0.4096

Complementary

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



54.5669, 0.2272, 0.3059



23.8972, 0.5352, 0.3453

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.



54.5669, 0.4108, 0.3793



54.5669, 0.2272, 0.3059



54.5669, 0.3738, 0.3019

Square

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



54.5669, 0.2272, 0.3059



54.5669, 0.2759, 0.2524



54.5669, 0.4063, 0.3404



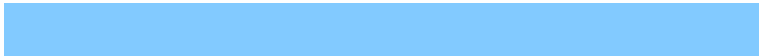
54.5669, 0.3443, 0.4195

Rectangle

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



54.5669, 0.2272, 0.3059



54.5669, 0.2319, 0.2547



54.5669, 0.4063, 0.3404



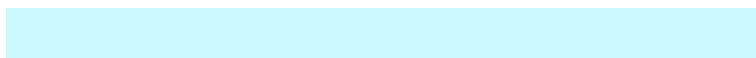
54.5669, 0.3977, 0.4011

Sweetspot

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



54.5689, 0.2272, 0.3059



87.6629, 0.2809, 0.3230



58.5310, 0.2969, 0.5365



18.4603, 0.2770, 0.3221



0.0000, 0.0000, 0.0000



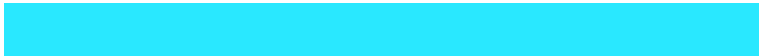
21.4041, 0.3127, 0.3290

Same Dimension

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



54.5689, 0.2272, 0.3059



65.6076, 0.2195, 0.3006



23.8437, 0.1979, 0.1875



16.0625, 0.2982, 0.3264



28.2513, 0.2154, 0.2955



2.1628, 0.2169, 0.3008

Inverse Universe

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



25.8744, 0.3386, 0.1873



28.6792, 0.3444, 0.1744



44.3743, 0.4575, 0.4294



14.5876, 0.3154, 0.3082



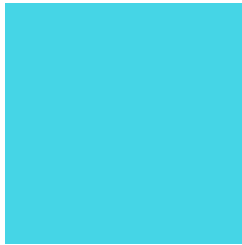
12.0497, 0.3494, 0.1698



0.8980, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 54.5669, 0.2272, 0.3059 looks on a white background.

Color Contrast Check

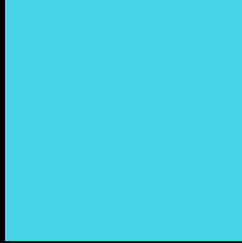
Large Text (above 18pt) WCAG AA × Fail

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 54.5669, 0.2272, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

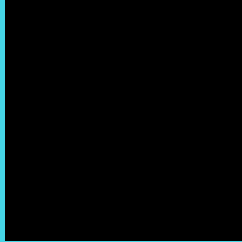
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.5669, 0.2272, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 54.5669, 0.2272, 0.3059.



This preview shows how white text looks on a background with the Yxy color 54.5669, 0.2272, 0.3059.

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

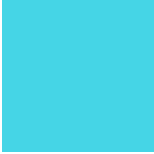
54.5669, 0.2272, 0.3059

Protanopia

53.6043, 0.2938, 0.3001

Deuteranopia

53.4697, 0.2816, 0.2754



Tritanopia

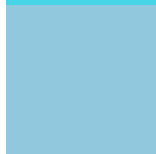
54.5669, 0.2272, 0.3059

Trichromacy



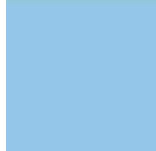
Original Color

54.5669, 0.2272, 0.3059



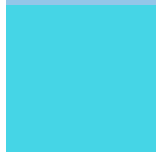
Protanomaly

52.6400, 0.2613, 0.3019



Deuteranomaly

52.4744, 0.2549, 0.2849



Tritanomaly

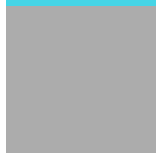
54.5669, 0.2272, 0.3059

Monochromacy



Original Color

54.5669, 0.2272, 0.3059



Achromatopsia

41.2543, 0.3127, 0.3290



Achromatomaly

44.4592, 0.2683, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.5669, 0.2272, 0.3059 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(69, 213, 230)` looks like.

```
.text, #text, p{  
    color:rgb(69, 213, 230)  
}
```

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(69, 213, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 213, 230) }
```

Border

The CSS property to change the border of an element to Yxy 54.5669, 0.2272, 0.3059 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(69, 213, 230) }
```

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

```
.border{ border-color:rgb(69, 213, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 213, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 213, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 213, 230);  
box-shadow:4px 4px 4px 4px rgb(69, 213,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 54.5669, 0.2272, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 213, 230) }
```

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

```
.background{ background-color: rgb(69, 213,  
230) }
```

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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