

Converting Colors

$Y_{xy}(54.1130, 0.2328, 0.3073)$

Have a look what the booklet for
Yxy(54.1130, 0.2328, 0.3073)
contains.

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Color

Yxy(54.1130, 0.2328, 0.3073)

Conversions

Conversions Part 1

Format	Color
Hex	56D3E3
RGB	86, 211, 227
RGB Percent	34%, 83%, 89%
CMY	0.6631, 0.1725, 0.1097
CMYK	0.62, 0.07, 0.00, 0.11
HSL	187°, 72%, 61%
HSV	187°, 62%, 89%
XYZ	40.9942, 54.1130, 80.9846
YIQ	175.4490, -79.6360, -21.5240

Conversions

Conversions Part 2

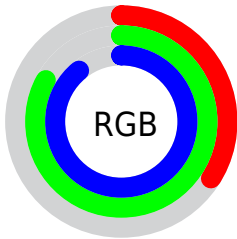
Format	Color
RYB	86, 152, 227
Decimal	5690339
CIELab	78.53, -29.67, -18.23
CIELCh	79, 34.825, 211.564
Yxy	54.1130, 0.2328, 0.3073
Android (android.graphics.Color)	4283880419 (0xFF56D3E3)
YUV	175.4490, 25.4146, -78.4468
Hunter-Lab	73.5615, -29.2587, -13.7799

Details

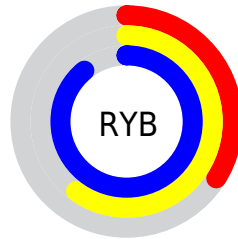
The Yxy color **54.1130, 0.2328, 0.3073** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **26.4972, 0.4982, 0.3464**, and the grayscale version is **43.0001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.1296, 0.2557, 0.3288**, and **26.7555, 0.2166, 0.2997** is the 20% darker color. If you saturate the color by 10%, you get **51.9334, 0.2254, 0.3033**, and if you desaturate by 10%, it is **56.6592, 0.2421, 0.3112**.

Distribution



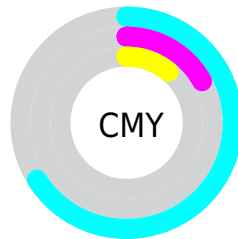
- Red (34%)
- Green (83%)
- Blue (89%)



- Red (34%)
- Yellow (60%)
- Blue (89%)



- Cyan (62%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (66%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.1130, 0.2328, 0.3073 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 54.1130, 0.2328, 0.3073 by changing the saturation by 10% instead.


 54.1130, 0.2328,
0.3073


 54.1130, 0.2328,
0.3073


402.5408, 0.2705,
0.3190


 38.6920, 0.2241,
0.3042

 96.2401, 0.2460,
0.3117

 26.5202, 0.2133,
0.3001


 123.7151, 0.2511,
0.3133

 17.2132, 0.1996,
0.2946


 155.9768, 0.2555,
0.3146

 10.3866, 0.1818,
0.2868

 193.4097, 0.2593,
0.3158

 5.6560, 0.1579,
0.2749

236.3981, 0.2626,
0.3168

 2.6371, 0.1246,
0.2555

285.3265, 0.2655,

 0.9453, 0.0418,

0.3176

0.2286

340.5793, 0.2682,
0.3183

0.0000, 0.0000,
0.0000

54.1130, 0.2328,
0.3073

54.1130, 0.2328,
0.3073

51.9334, 0.2254,
0.3033

56.6592, 0.2421,
0.3112

50.0805, 0.2200,
0.2993

59.5954, 0.2531,
0.3151

48.5157, 0.2164,
0.2954

62.9498, 0.2656,
0.3187

47.4391, 0.2145,
0.2923

66.7464, 0.2794,
0.3222

71.0071, 0.2941,
0.3254

75.7526, 0.3094,
0.3284

81.0020, 0.3250,
0.3311

84.3182, 0.3318,
0.3336

85.7776, 0.3315,
0.3362

Harmonies

Analogous

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



54.1130, 0.2565, 0.3527



54.1130, 0.2328, 0.3073



54.1130, 0.2290, 0.2729

Triad

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



54.1130, 0.2328, 0.3073



54.1130, 0.3248, 0.2749



54.1130, 0.3816, 0.4043

Complementary

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



54.1130, 0.2328, 0.3073



26.4972, 0.4982, 0.3464

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.



54.1130, 0.4036, 0.3767



54.1130, 0.2328, 0.3073



54.1130, 0.3700, 0.3044

Square

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



54.1130, 0.2328, 0.3073



54.1130, 0.2792, 0.2576



54.1130, 0.3997, 0.3405



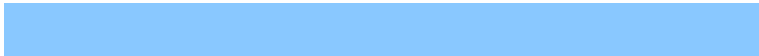
54.1130, 0.3418, 0.4125

Rectangle

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



54.1130, 0.2328, 0.3073



54.1130, 0.2377, 0.2597



54.1130, 0.3997, 0.3405



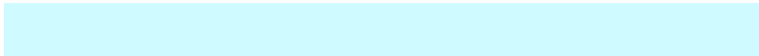
54.1130, 0.3914, 0.3967

Sweetspot

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



54.1150, 0.2328, 0.3073



88.4797, 0.2838, 0.3232



57.8538, 0.2976, 0.5123



18.6096, 0.2796, 0.3223



0.0000, 0.0000, 0.0000



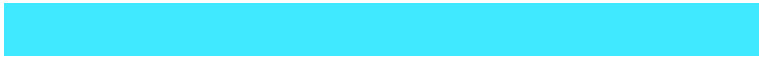
21.4041, 0.3127, 0.3290

Same Dimension

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



54.1150, 0.2328, 0.3073



66.7369, 0.2234, 0.3020



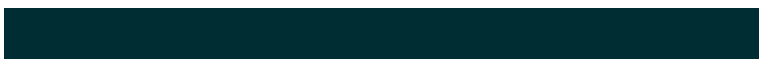
26.9746, 0.2096, 0.2061



16.0421, 0.2982, 0.3263



27.7654, 0.2147, 0.2929



2.1317, 0.2163, 0.2987

Inverse Universe

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



27.6810, 0.3366, 0.1992



30.7977, 0.3425, 0.1824



45.9767, 0.4391, 0.4219



14.5855, 0.3155, 0.3084



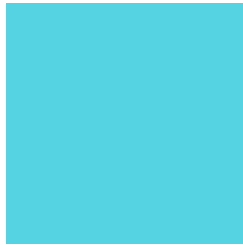
12.0006, 0.3517, 0.1711



0.8949, 0.3466, 0.1683

Previews

White Background



This preview shows how the Yxy color 54.1130, 0.2328, 0.3073 looks on a white background.

Color Contrast Check

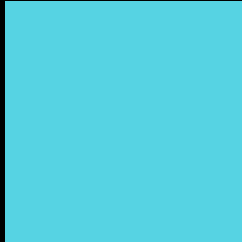
Large Text (above 18pt) WCAG AA × Fail

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 54.1130, 0.2328, 0.3073 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 54.1130, 0.2328, 0.3073

Background



This preview shows how black text looks on a background with the Yxy color 54.1130, 0.2328, 0.3073.



This preview shows how white text looks on a background with the Yxy color 54.1130, 0.2328, 0.3073.

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

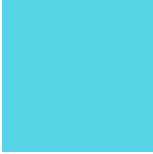
54.1130, 0.2328, 0.3073

Protanopia

53.5015, 0.2952, 0.3024

Deuteranopia

53.4279, 0.2843, 0.2787



Tritanopia

54.1684, 0.2324, 0.3061

Trichromacy



Original Color

54.1130, 0.2328, 0.3073

Protanomaly

52.6367, 0.2660, 0.3033

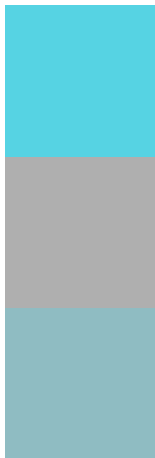
Deuteranomaly

52.4180, 0.2600, 0.2876

Tritanomaly

54.1684, 0.2324, 0.3061

Monochromacy



Original Color

54.1130, 0.2328, 0.3073

Achromatopsia

42.8690, 0.3127, 0.3290

Achromatomaly

45.7011, 0.2739, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.1130, 0.2328, 0.3073 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(86, 211, 227)` looks like.

```
.text, #text, p{  
    color:rgb(86, 211, 227)  
}
```

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(86, 211, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 211, 227) }
```

Border

The CSS property to change the border of an element to Yxy 54.1130, 0.2328, 0.3073 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(86, 211, 227) }
```

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

```
.border{ border-color:rgb(86, 211, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(86, 211, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 211, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 211, 227);  
box-shadow:4px 4px 4px 4px rgb(86, 211,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 54.1130, 0.2328, 0.3073 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 211, 227) }
```

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

```
.background{ background-color: rgb(86, 211,  
227) }
```

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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