

Converting Colors

$Y_{xy}(57.4641, 0.2265, 0.3051)$

Have a look what the booklet for
Yxy(57.4641, 0.2265, 0.3051)
contains.

Yxy(57.4641, 0.2265, 0.3051)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(57.4641, 0.2265, 0.3051)

Conversions

Conversions Part 1

Format	Color
Hex	45DAEC
RGB	69, 218, 236
RGB Percent	27%, 85%, 93%
CMY	0.7300, 0.1451, 0.0744
CMYK	0.71, 0.08, 0.00, 0.07
HSL	186°, 82%, 60%
HSV	186°, 71%, 93%
XYZ	42.6602, 57.4641, 88.2209
YIQ	175.5010, -94.5820, -25.9900

Conversions

Conversions Part 2

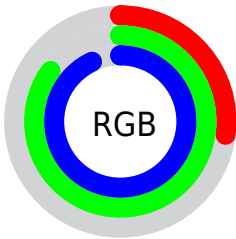
Format	Color
R _{YB}	69, 148, 236
Decimal	4578028
CIE Lab	80.44, -32.87, -20.18
CIE LCh	80, 38.565, 211.545
Yxy	57.4641, 0.2265, 0.3051
Android (android.graphics.Color)	4282768108 (0xFF45DAEC)
YUV	175.5010, 29.8260, -93.4014
Hunter-Lab	75.8051, -32.2060, -15.9373

Details

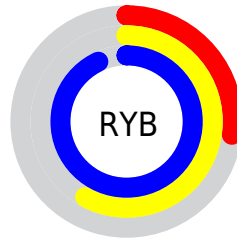
The Yxy color **57.4641, 0.2265, 0.3051** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **25.0588, 0.5388, 0.3456**, and the grayscale version is **43.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **29.4897, 0.2164, 0.2992** is the 20% darker color. If you saturate the color by 10%, you get **55.4609, 0.2209, 0.3013**, and if you desaturate by 10%, it is **59.8345, 0.2341, 0.3089**.

Distribution



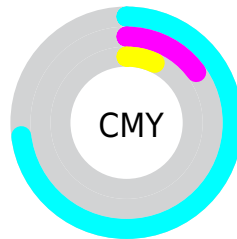
- Red (27%)
- Green (85%)
- Blue (93%)



- Red (27%)
- Yellow (58%)
- Blue (93%)



- Cyan (71%)
- Magenta (8%)
- Yellow (0%)
- Black (7%)




- Cyan (73%)
- Magenta (15%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 57.4641, 0.2265, 0.3051 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 57.4641, 0.2265, 0.3051 by changing the saturation by 10% instead.


 57.4641, 0.2265,
0.3051

 57.4641, 0.2265,
0.3051


415.1861, 0.2666,
0.3179


 41.3780, 0.2174,
0.3017


 101.1421, 0.2404,
0.3099


 28.6145, 0.2062,
0.2974


 129.5027, 0.2458,
0.3117

 18.7894, 0.1922,
0.2915


 162.7236, 0.2505,
0.3131

 11.5182, 0.1741,
0.2832

 201.1891, 0.2545,
0.3144

 6.4165, 0.1503,
0.2709

245.2838, 0.2581,
0.3155

 3.1000, 0.1181,
0.2512

295.3919, 0.2612,

 1.1841, 0.0554,

0.3164

0.2213

351.8979, 0.2641,
0.3172

■ 0.0487, 0.0000,
0.0304

■ 0.0000, 0.0000,
0.0000

■ 57.4641, 0.2265,
0.3051

■ 57.4641, 0.2265,
0.3051

■ 55.4609, 0.2209,
0.3013

■ 59.8345, 0.2341,
0.3089


■ 53.7750, 0.2172,
0.2976

■ 62.6023, 0.2435,
0.3126


■ 52.4446, 0.2151,
0.2942

■ 65.8014, 0.2547,
0.3162


■ 69.4602, 0.2674,
0.3197

 73.6049, 0.2813,
0.3229

 78.2594, 0.2960,
0.3260

 83.4459, 0.3114,
0.3288

 88.6768, 0.3253,
0.3313

 90.1713, 0.3251,
0.3338

Harmonies

Analogous

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



57.4641, 0.2518, 0.3547



57.4641, 0.2265, 0.3051



57.4641, 0.2225, 0.2681

Triad

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



57.4641, 0.2265, 0.3051



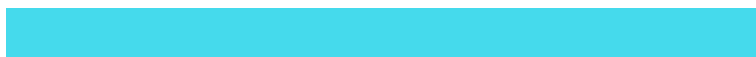
57.4641, 0.3256, 0.2707



57.4641, 0.3871, 0.4104

Complementary

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



57.4641, 0.2265, 0.3051



25.0588, 0.5388, 0.3456

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.



57.4641, 0.4112, 0.3800



57.4641, 0.2265, 0.3051



57.4641, 0.3748, 0.3022

Square

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



57.4641, 0.2265, 0.3051



57.4641, 0.2763, 0.2521



57.4641, 0.4072, 0.3410



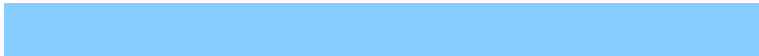
57.4641, 0.3438, 0.4200

Rectangle

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



57.4641, 0.2265, 0.3051



57.4641, 0.2318, 0.2541



57.4641, 0.4072, 0.3410



57.4641, 0.3978, 0.4019

Sweetspot

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



57.4662, 0.2265, 0.3051



87.5932, 0.2809, 0.3229



61.9316, 0.2968, 0.5390



18.4435, 0.2769, 0.3220



0.0000, 0.0000, 0.0000



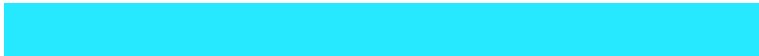
21.4041, 0.3127, 0.3290

Same Dimension

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



57.4662, 0.2265, 0.3051



65.1489, 0.2190, 0.2996



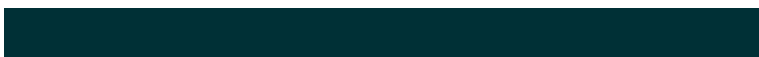
24.8456, 0.1967, 0.1854



16.8284, 0.2981, 0.3264



29.0170, 0.2152, 0.2948



2.3580, 0.2167, 0.2999

Inverse Universe

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



27.1371, 0.3394, 0.1865



28.4682, 0.3453, 0.1741



46.6986, 0.4595, 0.4301



15.2842, 0.3154, 0.3082



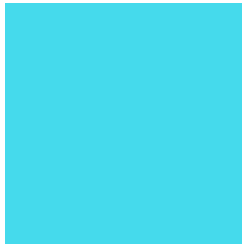
12.4221, 0.3500, 0.1702



0.9835, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 57.4641, 0.2265, 0.3051 looks on a white background.

Color Contrast Check

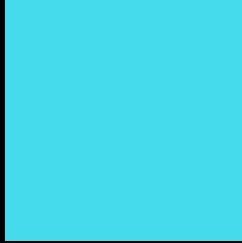
Large Text (above 18pt) WCAG AA × Fail

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 57.4641, 0.2265, 0.3051 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

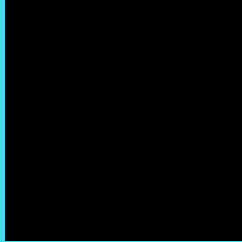
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.4641, 0.2265, 0.3051

Background



This preview shows how black text looks on a background with the Yxy color 57.4641, 0.2265, 0.3051.

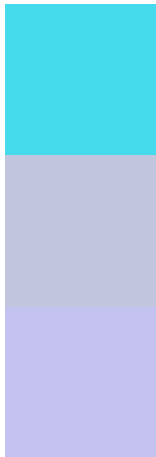


This preview shows how white text looks on a background with the Yxy color 57.4641, 0.2265, 0.3051.

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

57.4641, 0.2265, 0.3051

Protanopia

56.6758, 0.2928, 0.2996

Deuteranopia

56.6702, 0.2816, 0.2755



Tritanopia

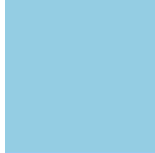
57.4641, 0.2265, 0.3051

Trichromacy



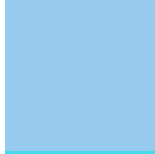
Original Color

57.4641, 0.2265, 0.3051



Protanomaly

55.5046, 0.2600, 0.3012



Deuteranomaly

55.4279, 0.2543, 0.2847



Tritanomaly

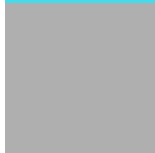
57.4641, 0.2265, 0.3051

Monochromacy



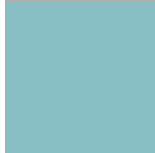
Original Color

57.4641, 0.2265, 0.3051



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.5271, 0.2677, 0.3206

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.4641, 0.2265, 0.3051 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, 218, 236)` looks like.

```
.text, #text, p{  
    color:rgb(69, 218, 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(69, 218, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 218, 236) }
```

Border

The CSS property to change the border of an element to Yxy 57.4641, 0.2265, 0.3051 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, 218, 236) }
```

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

```
.border{ border-color:rgb(69, 218, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(69, 218, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 218, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 218, 236);  
box-shadow:4px 4px 4px 4px rgb(69, 218,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 57.4641, 0.2265, 0.3051 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 218, 236) }
```

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

```
.background{ background-color: rgb(69, 218,  
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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