

Converting Colors

$Yxy(57.9013, 0.2256, 0.3052)$

Have a look what the booklet for
Yxy(57.9013, 0.2256, 0.3052)
contains.

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Color

Yxy(57.9013, 0.2256, 0.3052)

Conversions

Conversions Part 1

Format	Color
Hex	41DBED
RGB	65, 219, 237
RGB Percent	25%, 86%, 93%
CMY	0.7445, 0.1412, 0.0707
CMYK	0.73, 0.08, 0.00, 0.07
HSL	186°, 83%, 59%
HSV	186°, 73%, 93%
XYZ	42.7999, 57.9013, 89.0147
YIQ	175.0060, -97.5620, -27.0500

Conversions

Conversions Part 2

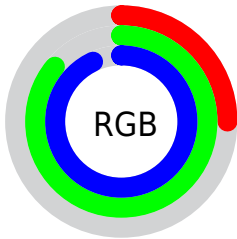
Format	Color
R _{YB}	65, 146, 237
Decimal	4316141
CIE _{Lab}	80.68, -33.50, -20.31
CIE _{LCh}	81, 39.178, 211.231
Yxy	57.9013, 0.2256, 0.3052
Android (android.graphics.Color)	4282506221 (0xFF41DBED)
YUV	175.0060, 30.5630, -96.4753
Hunter-Lab	76.0929, -32.7618, -16.0934

Details

The Yxy color **57.9013, 0.2256, 0.3052** 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 **24.5855, 0.5468, 0.3449**, and the grayscale version is **42.7700, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.9742, 0.2505, 0.3288**, and **29.8871, 0.2165, 0.2993** is the 20% darker color. If you saturate the color by 10%, you get **55.9720, 0.2204, 0.3015**, and if you desaturate by 10%, it is **60.1933, 0.2328, 0.3089**.

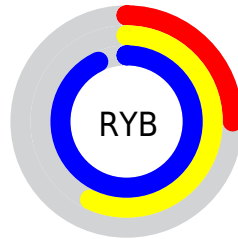
Distribution



Red (25%)

Green (86%)

Blue (93%)



Red (25%)

Yellow (57%)

Blue (93%)

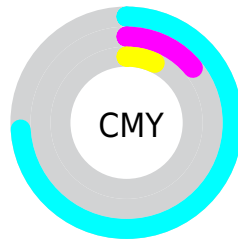


Cyan (73%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (74%)


Magenta (14%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.9013, 0.2256, 0.3052 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 57.9013, 0.2256, 0.3052 by changing the saturation by 10% instead.


 57.9013, 0.2256,
0.3052

 57.9013, 0.2256,
0.3052


416.8181, 0.2660,
0.3180


 41.7293, 0.2164,
0.3018


 101.7791, 0.2396,
0.3100


 28.8894, 0.2052,
0.2975


 130.2537, 0.2450,
0.3117

 18.9972, 0.1911,
0.2916


 163.5980, 0.2497,
0.3132

 11.6682, 0.1730,
0.2833

 202.1963, 0.2538,
0.3145

 6.5182, 0.1492,
0.2711

246.4331, 0.2574,
0.3155

 3.1627, 0.1170,
0.2515

296.6927, 0.2606,

 1.2172, 0.0558,

0.3165

0.2216

353.3596, 0.2635,
0.3173

■ 0.0757, 0.0000,
0.0449

■ 0.0000, 0.0000,
0.0000

■ 57.9013, 0.2256,
0.3052

■ 57.9013, 0.2256,
0.3052

■ 55.9720, 0.2204,
0.3015

■ 60.1933, 0.2328,
0.3089

■ 54.3533, 0.2170,
0.2979

■ 62.8794, 0.2419,
0.3125

■ 53.2928, 0.2154,
0.2953


■ 65.9945, 0.2528,
0.3160


■ 69.5679, 0.2652,
0.3194

 73.6263, 0.2789,
0.3226

 78.1941, 0.2935,
0.3256

 83.2942, 0.3088,
0.3283

 88.9479, 0.3245,
0.3309

 90.4615, 0.3244,
0.3333

Harmonies

Analogous

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



57.9013, 0.2514, 0.3556



57.9013, 0.2256, 0.3052



57.9013, 0.2213, 0.2676

Triad

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



57.9013, 0.2256, 0.3052



57.9013, 0.3252, 0.2698



57.9013, 0.3884, 0.4111

Complementary

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



57.9013, 0.2256, 0.3052



24.5855, 0.5468, 0.3449

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.



57.9013, 0.4126, 0.3802



57.9013, 0.2256, 0.3052



57.9013, 0.3752, 0.3015

Square

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



57.9013, 0.2256, 0.3052



57.9013, 0.2753, 0.2511



57.9013, 0.4083, 0.3406



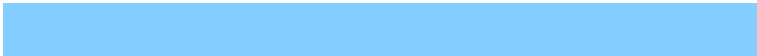
57.9013, 0.3447, 0.4213

Rectangle

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



57.9013, 0.2256, 0.3052



57.9013, 0.2306, 0.2533



57.9013, 0.4083, 0.3406



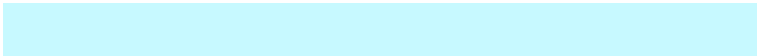
57.9013, 0.3992, 0.4025

Sweetspot

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



57.9034, 0.2256, 0.3052



87.1823, 0.2795, 0.3227



62.2921, 0.2968, 0.5437



18.3673, 0.2756, 0.3219



0.0000, 0.0000, 0.0000



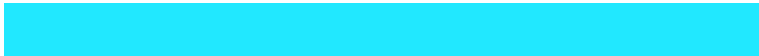
21.4041, 0.3127, 0.3290

Same Dimension

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



57.9034, 0.2256, 0.3052



65.1467, 0.2185, 0.2998



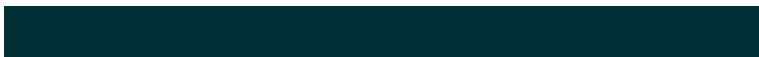
24.2559, 0.1944, 0.1815



16.8370, 0.2981, 0.3265



29.2201, 0.2155, 0.2958



2.3720, 0.2169, 0.3008

Inverse Universe

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



26.9101, 0.3395, 0.1842



28.1709, 0.3452, 0.1727



46.4749, 0.4633, 0.4313



15.2850, 0.3154, 0.3082



12.4426, 0.3491, 0.1697



0.9849, 0.3447, 0.1672

Previews

White Background



This preview shows how the Yxy color 57.9013, 0.2256, 0.3052 looks on a white background.

Color Contrast Check

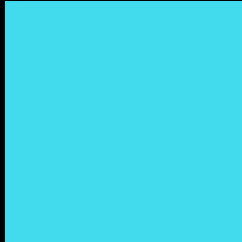
Large Text (above 18pt) WCAG AA × Fail

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 57.9013, 0.2256, 0.3052 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

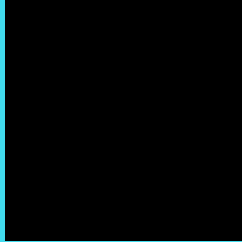
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.9013, 0.2256, 0.3052

Background



This preview shows how black text looks on a background with the Yxy color 57.9013, 0.2256, 0.3052.

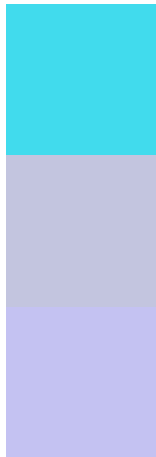


This preview shows how white text looks on a background with the Yxy color 57.9013, 0.2256, 0.3052.

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

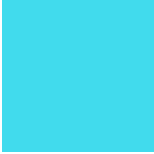
57.9013, 0.2256, 0.3052

Protanopia

56.8623, 0.2929, 0.2985

Deuteranopia

56.7301, 0.2810, 0.2744



Tritanopia

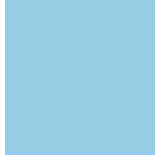
57.9013, 0.2256, 0.3052

Trichromacy



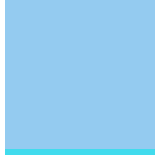
Original Color

57.9013, 0.2256, 0.3052



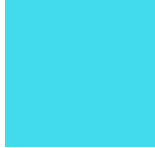
Protanomaly

55.5600, 0.2594, 0.3000



Deuteranomaly

55.2990, 0.2527, 0.2834



Tritanomaly

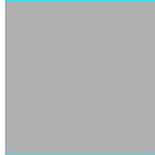
57.9013, 0.2256, 0.3052

Monochromacy



Original Color

57.9013, 0.2256, 0.3052



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.4897, 0.2665, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.9013, 0.2256, 0.3052 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(65, 219, 237)` looks like.

```
.text, #text, p{  
    color:rgb(65, 219, 237)  
}
```

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(65, 219, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 219, 237) }
```

Border

The CSS property to change the border of an element to Yxy 57.9013, 0.2256, 0.3052 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(65, 219, 237) }
```

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

```
.border{ border-color:rgb(65, 219, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 219, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 219, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 219, 237);  
box-shadow:4px 4px 4px 4px rgb(65, 219,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 57.9013, 0.2256, 0.3052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 219, 237) }
```

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

```
.background{ background-color: rgb(65, 219,  
237) }
```

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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