

Converting Colors

$Y_{xy}(57.0566, 0.2259, 0.3024)$

Have a look what the booklet for
Yxy(57.0566, 0.2259, 0.3024)
contains.

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Color

Yxy(57.0422, 0.2261, 0.3025)

Conversions

Conversions Part 1

Format	Color
Hex	46D9ED
RGB	70, 217, 237
RGB Percent	27%, 85%, 93%
CMY	0.7247, 0.1491, 0.0705
CMYK	0.70, 0.08, 0.00, 0.07
HSL	187°, 82%, 60%
HSV	187°, 70%, 93%
XYZ	42.6355, 57.0422, 88.8915
YIQ	175.3270, -94.0320, -24.9440

Conversions

Conversions Part 2

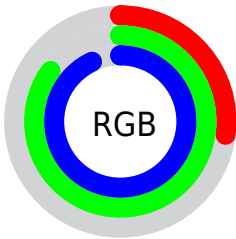
Format	Color
RYB	70, 148, 237
Decimal	4643309
CIELab	80.20, -31.92, -21.06
CIELCh	80, 38.239, 213.410
Yxy	57.0422, 0.2261, 0.3025
Android (android.graphics.Color)	4282833389 (0xFF46D9ED)
YUV	175.3270, 30.4048, -92.3718
Hunter-Lab	75.5263, -31.4056, -16.9137

Details

The Yxy color **57.0422, 0.2261, 0.3025** 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 **25.7995, 0.5350, 0.3476**, and the grayscale version is **42.9518, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **29.1769, 0.2155, 0.2957** is the 20% darker color. If you saturate the color by 10%, you get **54.8736, 0.2202, 0.2983**, and if you desaturate by 10%, it is **59.5882, 0.2339, 0.3067**.

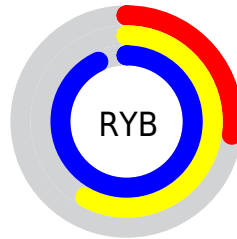
Distribution



Red (27%)

Green (85%)

Blue (93%)



Red (27%)

Yellow (58%)

Blue (93%)

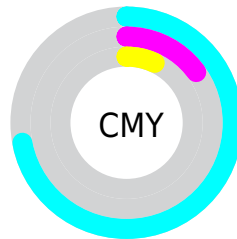


Cyan (70%)

Magenta (8%)

Yellow (0%)

Black (7%)



Cyan (72%)


Magenta (15%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.0422, 0.2261, 0.3025 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 57.0422, 0.2261, 0.3025 by changing the saturation by 10% instead.

 57.0422, 0.2261,
0.3025

 57.0422, 0.2261,
0.3025


413.6074, 0.2664,
0.3166

 41.0391, 0.2169,
0.2988

 100.5268, 0.2401,
0.3077


 28.3497, 0.2057,
0.2941


 128.7770, 0.2455,
0.3097

 18.5894, 0.1916,
0.2878


 161.8785, 0.2502,
0.3113

 11.3740, 0.1735,
0.2789

 200.2155, 0.2543,
0.3127

 6.3190, 0.1495,
0.2657

244.1726, 0.2579,
0.3138

 3.0400, 0.1172,
0.2449

294.1339, 0.2610,

 1.1526, 0.0545,

0.3149

0.2134

350.4841, 0.2639,
0.3158

■ 0.0225, 0.0000,
0.0139

■ 0.0000, 0.0000,
0.0000

■ 57.0422, 0.2261,
0.3025

■ 57.0422, 0.2261,
0.3025

■ 54.8736, 0.2202,
0.2983

■ 59.5882, 0.2339,
0.3067


■ 53.0323, 0.2163,
0.2941

■ 62.5418, 0.2436,
0.3109

■ 51.5025, 0.2139,
0.2901

■ 65.9373, 0.2550,
0.3149


■ 69.8033, 0.2678,
0.3188

 74.1660, 0.2819,
0.3224

 79.0495, 0.2967,
0.3258

 84.4764, 0.3121,
0.3289

 89.5462, 0.3245,
0.3317

 91.2319, 0.3243,
0.3345

Harmonies

Analogous

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



57.0422, 0.2500, 0.3514



57.0422, 0.2261, 0.3025



57.0422, 0.2235, 0.2668

Triad

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



57.0422, 0.2261, 0.3025



57.0422, 0.3287, 0.2727



57.0422, 0.3845, 0.4112

Complementary

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



57.0422, 0.2261, 0.3025



25.7995, 0.5350, 0.3476

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.



57.0422, 0.4099, 0.3820



57.0422, 0.2261, 0.3025



57.0422, 0.3771, 0.3046

Square

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



57.0422, 0.2261, 0.3025



57.0422, 0.2792, 0.2532



57.0422, 0.4077, 0.3434



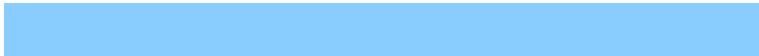
57.0422, 0.3407, 0.4191

Rectangle

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



57.0422, 0.2261, 0.3025



57.0422, 0.2335, 0.2537



57.0422, 0.4077, 0.3434



57.0422, 0.3956, 0.4032

Sweetspot

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



57.0443, 0.2261, 0.3025



87.1875, 0.2808, 0.3222



62.6165, 0.2959, 0.5346



18.3457, 0.2769, 0.3212



0.0000, 0.0000, 0.0000



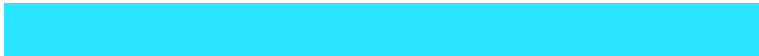
21.4041, 0.3127, 0.3290

Same Dimension

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



57.0443, 0.2261, 0.3025



63.8871, 0.2185, 0.2966



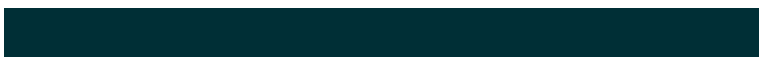
24.5128, 0.1963, 0.1824



16.7952, 0.2981, 0.3261



28.2446, 0.2141, 0.2908



2.3050, 0.2157, 0.2965

Inverse Universe

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



27.4199, 0.3415, 0.1886



28.5055, 0.3478, 0.1764



48.3626, 0.4560, 0.4325



15.2808, 0.3156, 0.3085



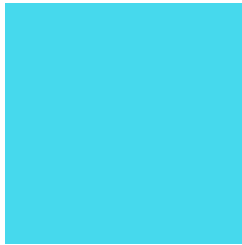
12.3441, 0.3537, 0.1722



0.9781, 0.3485, 0.1693

Previews

White Background



This preview shows how the Yxy color 57.0422, 0.2261, 0.3025 looks on a white background.

Color Contrast Check

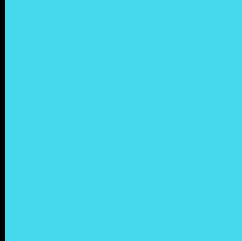
Large Text (above 18pt) WCAG AA × Fail

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 57.0422, 0.2261, 0.3025 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

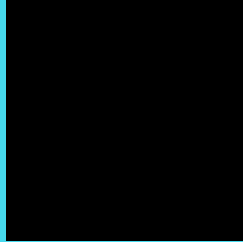
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 57.0422, 0.2261, 0.3025

Background



This preview shows how black text looks on a background with the Yxy color 57.0422, 0.2261, 0.3025.



This preview shows how white text looks on a background with the Yxy color 57.0422, 0.2261, 0.3025.

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

57.0422, 0.2261, 0.3025

Protanopia

56.1450, 0.2914, 0.2972

Deuteranopia

56.0201, 0.2795, 0.2731



Tritanopia

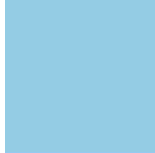
56.8891, 0.2266, 0.3050

Trichromacy



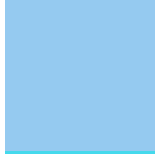
Original Color

57.0422, 0.2261, 0.3025



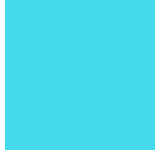
Protanomaly

55.0831, 0.2593, 0.2987



Deuteranomaly

54.9219, 0.2530, 0.2822



Tritanomaly

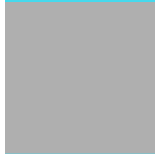
56.9470, 0.2262, 0.3038

Monochromacy



Original Color

57.0422, 0.2261, 0.3025



Achromatopsia

42.8690, 0.3127, 0.3290



Achromatomaly

46.2225, 0.2676, 0.3178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.0422, 0.2261, 0.3025 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(70, 217, 237)` looks like.

```
.text, #text, p{  
    color:rgb(70, 217, 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(70, 217, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 217, 237) }
```

Border

The CSS property to change the border of an element to Yxy 57.0422, 0.2261, 0.3025 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(70, 217, 237) }
```

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

```
.border{ border-color:rgb(70, 217, 237) }
```

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

Here you see how a box with a 4 pixel rgb(70, 217, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 217, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 217, 237);  
box-shadow:4px 4px 4px 4px rgb(70, 217,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 57.0422, 0.2261, 0.3025 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 217, 237) }
```

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

```
.background{ background-color: rgb(70, 217,  
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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