

Converting Colors

$Y_{xy}(56.6813, 0.2582, 0.3073)$

Have a look what the booklet for
Yxy(56.6813, 0.2582, 0.3073)
contains.

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Color

Yxy(56.8427, 0.2578, 0.3074)

Conversions

Conversions Part 1

Format	Color
Hex	8ED1E2
RGB	142, 209, 226
RGB Percent	56%, 82%, 89%
CMY	0.4435, 0.1803, 0.1138
CMYK	0.37, 0.08, 0.00, 0.11
HSL	192°, 59%, 72%
HSV	192°, 37%, 89%
XYZ	47.6709, 56.8427, 80.4008
YIQ	190.9050, -45.3890, -8.9170

Conversions

Conversions Part 2

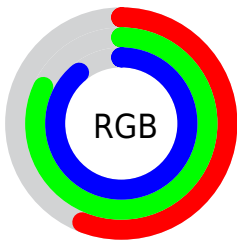
Format	Color
RYB	142, 179, 226
Decimal	9359842
CIELab	80.09, -16.93, -15.10
CIELCh	80, 22.680, 221.733
Yxy	56.8427, 0.2578, 0.3074
Android (android.graphics.Color)	4287549922 (0xFF8ED1E2)
YUV	190.9050, 17.3018, -42.8897
Hunter-Lab	75.3941, -19.0759, -10.4514

Details

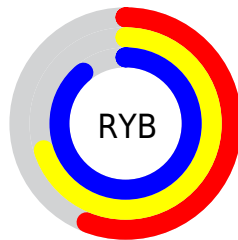
The Yxy color **56.8427, 0.2578, 0.3074** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **42.8743, 0.3960, 0.3492**, and the grayscale version is **51.9511, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.7458, 0.2794, 0.3289**, and **28.0777, 0.2438, 0.2998** is the 20% darker color. If you saturate the color by 10%, you get **52.8395, 0.2451, 0.3006**, and if you desaturate by 10%, it is **61.3196, 0.2717, 0.3138**.

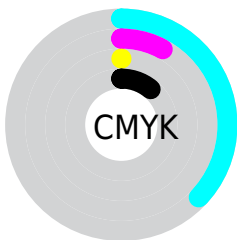
Distribution



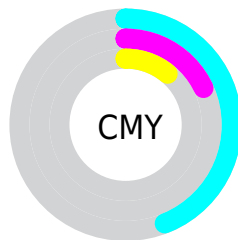
- Red (56%)
- Green (82%)
- Blue (89%)



- Red (56%)
- Yellow (70%)
- Blue (89%)



- Cyan (37%)
- Magenta (8%)
- Yellow (0%)
- Black (11%)




- Cyan (44%)
- Magenta (18%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.8427, 0.2578, 0.3074 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 56.8427, 0.2578, 0.3074 by changing the saturation by 10% instead.

 56.8427, 0.2578,
0.3074

 56.8427, 0.2578,
0.3074

412.8596, 0.2838,
0.3183

 40.8790, 0.2517,
0.3047


 100.2356, 0.2669,
0.3114

 28.2245, 0.2442,
0.3012


 128.4336, 0.2704,
0.3129

 18.4950, 0.2345,
0.2965


161.4785, 0.2735,
0.3141

 11.3059, 0.2218,
0.2901

199.7546, 0.2761,
0.3152

 6.2730, 0.2043,
0.2807

243.6464, 0.2784,
0.3161

 3.0118, 0.1788,
0.2658

293.5382, 0.2804,

 1.1379, 0.1369,

0.3170

0.2401

349.8145, 0.2822,
0.3177

0.0101, 0.0000,
0.0093

0.0000, 0.0000,
0.0000

56.8427, 0.2578,
0.3074

56.8427, 0.2578,
0.3074

52.8395, 0.2451,
0.3006

61.3196, 0.2717,
0.3138

49.2780, 0.2338,
0.2935

66.2865, 0.2864,
0.3198

46.1327, 0.2242,
0.2861

71.7672, 0.3016,
0.3253

43.3721, 0.2166,
0.2787

77.7816, 0.3170,
0.3304

■ 40.9592, 0.2109,
0.2713

■ 84.3487, 0.3324,
0.3349

■ 38.8458, 0.2070,
0.2640

■ 86.9639, 0.3320,
0.3393

■ 38.2857, 0.2061,
0.2620

■ 89.6297, 0.3314,
0.3438

■ 92.3630, 0.3309,
0.3482

■ 95.1645, 0.3303,
0.3525

Harmonies

Analogous

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



56.8427, 0.2696, 0.3347



56.8427, 0.2578, 0.3074



56.8427, 0.2598, 0.2879

Triad

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



56.8427, 0.2578, 0.3074



56.8427, 0.3311, 0.2993



56.8427, 0.3500, 0.3808

Complementary

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



56.8427, 0.2578, 0.3074



42.8743, 0.3960, 0.3492

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.



56.8427, 0.3681, 0.3680



56.8427, 0.2578, 0.3074



56.8427, 0.3572, 0.3213

Square

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



56.8427, 0.2578, 0.3074



56.8427, 0.3010, 0.2844



56.8427, 0.3710, 0.3461



56.8427, 0.3223, 0.3790

Rectangle

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



56.8427, 0.2578, 0.3074



56.8427, 0.2687, 0.2813



56.8427, 0.3710, 0.3461



56.8427, 0.3574, 0.3779

Sweetspot

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



56.8449, 0.2578, 0.3074



91.5038, 0.2957, 0.3233



62.6235, 0.2979, 0.4186



19.3742, 0.2936, 0.3225



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.



56.8449, 0.2578, 0.3074



70.4408, 0.2474, 0.3019



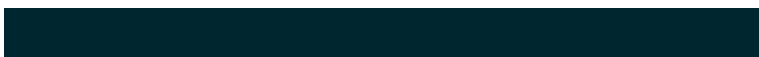
38.9225, 0.2497, 0.2510



15.0778, 0.2982, 0.3242



22.0174, 0.2064, 0.2631



1.6467, 0.2096, 0.2744

Inverse Universe

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



40.0931, 0.3326, 0.2539



45.9065, 0.3382, 0.2382



59.7820, 0.3781, 0.3961



13.8857, 0.3168, 0.3105



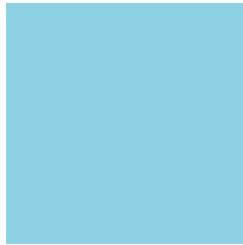
11.1307, 0.3794, 0.1864



0.7837, 0.3687, 0.1805

Previews

White Background



This preview shows how the Yxy color 56.8427, 0.2578, 0.3074 looks on a white background.

Color Contrast Check

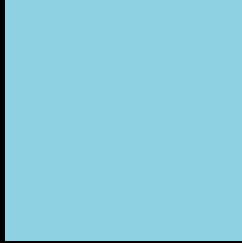
Large Text (above 18pt) WCAG AA × Fail

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 56.8427, 0.2578, 0.3074 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

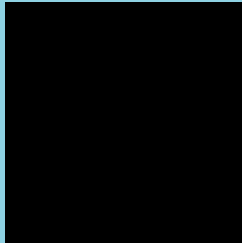
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

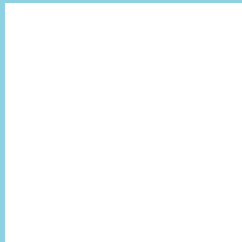
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.8427, 0.2578, 0.3074

Background



This preview shows how black text looks on a background with the Yxy color 56.8427, 0.2578, 0.3074.



This preview shows how white text looks on a background with the Yxy color 56.8427, 0.2578, 0.3074.

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

56.8427, 0.2578, 0.3074

Protanopia

56.1439, 0.2963, 0.3030

Deuteranopia

56.3536, 0.2939, 0.2877



Tritanopia

56.8427, 0.2578, 0.3074

Trichromacy



Original Color

56.8427, 0.2578, 0.3074

Protanomaly

56.2239, 0.2808, 0.3046

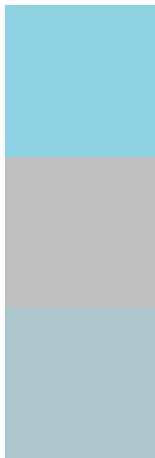
Deuteranomaly

56.1516, 0.2790, 0.2942

Tritanomaly

56.8427, 0.2578, 0.3074

Monochromacy



Original Color

56.8427, 0.2578, 0.3074

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.6320, 0.2896, 0.3214

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.8427, 0.2578, 0.3074 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(142, 209, 226)` looks like.

```
.text, #text, p{  
    color:rgb(142, 209, 226)  
}
```

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(142, 209, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 209, 226) }
```

Border

The CSS property to change the border of an element to Yxy 56.8427, 0.2578, 0.3074 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(142, 209, 226) }
```

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

```
.border{ border-color:rgb(142, 209, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 209, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(142, 209, 226); -webkit-box-shadow:4px 4px 4px 4px rgb(142, 209, 226); box-shadow:4px 4px 4px 4px rgb(142, 209, 226) }
```


Background

The CSS property to change the background color of an element to Yxy 56.8427, 0.2578, 0.3074 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 209, 226) }
```

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

```
.background{ background-color: rgb(142,  
209, 226) }
```

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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