

Converting Colors

$Y_{xy}(50.7284, 0.2572, 0.2976)$

Have a look what the booklet for
Yxy(50.7284, 0.2572, 0.2976)
contains.

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Color

Yxy(50.7284, 0.2572, 0.2976)

Conversions

Conversions Part 1

Format	Color
Hex	8CC5DD
RGB	140, 197, 221
RGB Percent	55%, 77%, 87%
CMY	0.4507, 0.2275, 0.1333
CMYK	0.37, 0.11, 0.00, 0.13
HSL	198°, 54%, 71%
HSV	198°, 37%, 87%
XYZ	43.8419, 50.7284, 75.8881
YIQ	182.6930, -41.6760, -4.6200

Conversions

Conversions Part 2

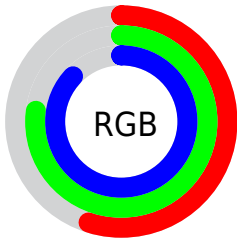
Format	Color
RYB	140, 173, 221
Decimal	9225693
CIELab	76.51, -12.44, -17.82
CIElCh	77, 21.731, 235.072
Yxy	50.7284, 0.2572, 0.2976
Android (android.graphics.Color)	4287415773 (0xFF8CC5DD)
YUV	182.6930, 18.8854, -37.4418
Hunter-Lab	71.2239, -14.7660, -13.3160

Details

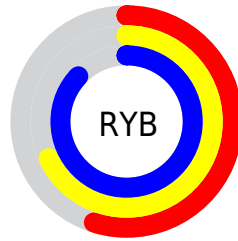
The Yxy color **50.7284, 0.2572, 0.2976** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.8512, 0.3907, 0.3580**, and the grayscale version is **47.0980, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.8394, 0.2783, 0.3279**, and **24.3765, 0.2428, 0.2881** is the 20% darker color. If you saturate the color by 10%, you get **46.0847, 0.2434, 0.2874**, and if you desaturate by 10%, it is **55.8913, 0.2719, 0.3072**.

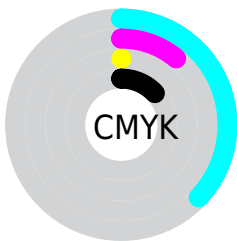
Distribution



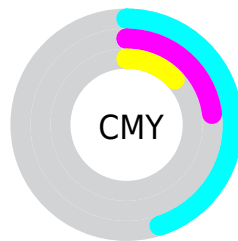
- Red (55%)
- Green (77%)
- Blue (87%)



- Red (55%)
- Yellow (68%)
- Blue (87%)



- Cyan (37%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)



- Cyan (45%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.7284, 0.2572, 0.2976 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 50.7284, 0.2572, 0.2976 by changing the saturation by 10% instead.

■ 50.7284, 0.2572,
0.2976

■ 50.7284, 0.2572,
0.2976

389.5076, 0.2840,
0.3134

■ 35.9925, 0.2508,
0.2936

■ 91.2532, 0.2667,
0.3034

■ 24.4284, 0.2428,
0.2886

■ 117.8108, 0.2703,
0.3055

■ 15.6517, 0.2325,
0.2819

149.0779, 0.2734,
0.3073

■ 9.2780, 0.2187,
0.2726

185.4387, 0.2761,
0.3089

■ 4.9230, 0.1993,
0.2590

227.2777, 0.2785,
0.3103

■ 2.2021, 0.1708,
0.2375

274.9793, 0.2805,


■ 0.7212, 0.1068,


0.3115


0.2017


328.9278, 0.2824,
0.3125


 0.0000, 0.0000,
0.0000


 50.7284, 0.2572,
0.2976


 50.7284, 0.2572,
0.2976


 46.0847, 0.2434,
0.2874

 55.8913, 0.2719,
0.3072


 41.9293, 0.2308,
0.2766


 61.5902, 0.2871,
0.3160


 38.2369, 0.2197,
0.2655

 67.8484, 0.3025,
0.3241

 34.9767, 0.2106,
0.2542

 74.6860, 0.3179,
0.3314

 32.1130, 0.2034,
0.2429

 82.1217, 0.3330,
0.3379

■ 29.6009, 0.1982,
0.2318

■ 86.6651, 0.3352,
0.3443

■ 28.8049, 0.1967,
0.2281

■ 90.5181, 0.3343,
0.3506

■ 94.5113, 0.3335,
0.3569

■ 98.0006, 0.3327,
0.3621

Harmonies

Analogous

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



50.7284, 0.2630, 0.3221



50.7284, 0.2572, 0.2976



50.7284, 0.2653, 0.2831

Triad

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



50.7284, 0.2572, 0.2976



50.7284, 0.3436, 0.3085



50.7284, 0.3383, 0.3817

Complementary

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



50.7284, 0.2572, 0.2976



43.8512, 0.3907, 0.3580

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.



50.7284, 0.3614, 0.3750



50.7284, 0.2572, 0.2976



50.7284, 0.3650, 0.3323

Square

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



50.7284, 0.2572, 0.2976



50.7284, 0.3143, 0.2901



50.7284, 0.3715, 0.3564



50.7284, 0.3090, 0.3728

Rectangle

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



50.7284, 0.2572, 0.2976



50.7284, 0.2778, 0.2802



50.7284, 0.3715, 0.3564



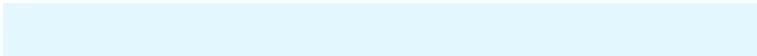
50.7284, 0.3471, 0.3811

Sweetspot

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



50.7304, 0.2572, 0.2976



89.8668, 0.2956, 0.3206



59.9407, 0.2942, 0.4073



18.9824, 0.2935, 0.3195



0.0000, 0.0000, 0.0000



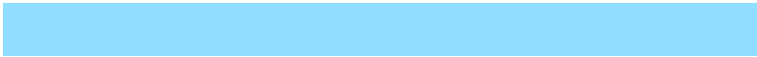
21.4041, 0.3127, 0.3290

Same Dimension

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



50.7304, 0.2572, 0.2976



65.1289, 0.2464, 0.2898



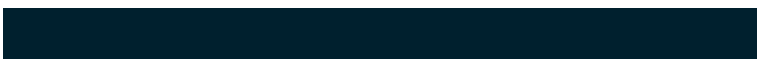
35.1238, 0.2495, 0.2432



14.1431, 0.2982, 0.3219



16.9388, 0.1972, 0.2298



1.2447, 0.2022, 0.2479

Inverse Universe

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



38.1819, 0.3398, 0.2632



46.1032, 0.3475, 0.2496



60.2016, 0.3742, 0.4021



13.2056, 0.3183, 0.3127



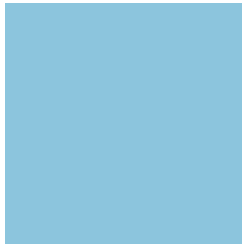
10.3337, 0.4129, 0.2048



0.6843, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 50.7284, 0.2572, 0.2976 looks on a white background.

Color Contrast Check

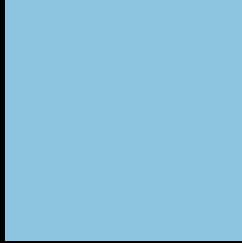
Large Text (above 18pt) WCAG AA × Fail

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 50.7284, 0.2572, 0.2976 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 50.7284, 0.2572, 0.2976

Background



This preview shows how black text looks on a background with the Yxy color 50.7284, 0.2572, 0.2976.



This preview shows how white text looks on a background with the Yxy color 50.7284, 0.2572, 0.2976.

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

50.7284, 0.2572, 0.2976

Protanopia

50.5860, 0.2905, 0.2958

Deuteranopia

50.4816, 0.2872, 0.2811



Tritanopia

50.6465, 0.2601, 0.3077

Trichromacy



Original Color

50.7284, 0.2572, 0.2976

Protanomaly

50.5962, 0.2769, 0.2962

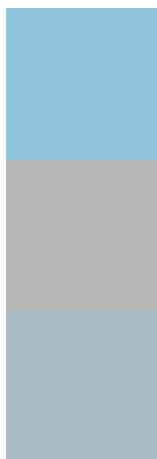
Deuteranomaly

50.3808, 0.2750, 0.2868

Tritanomaly

50.8869, 0.2590, 0.3039

Monochromacy



Original Color

50.7284, 0.2572, 0.2976

Achromatopsia

47.3531, 0.3127, 0.3290

Achromatomaly

48.2131, 0.2894, 0.3171

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.7284, 0.2572, 0.2976 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(140, 197, 221)` looks like.

```
.text, #text, p{  
    color:rgb(140, 197, 221)  
}
```

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(140, 197, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 197, 221) }
```

Border

The CSS property to change the border of an element to Yxy 50.7284, 0.2572, 0.2976 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(140, 197, 221) }
```

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

```
.border{ border-color:rgb(140, 197, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 197, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 197, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 197, 221);  
box-shadow:4px 4px 4px 4px rgb(140, 197,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 50.7284, 0.2572, 0.2976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 197, 221) }
```

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

```
.background{ background-color: rgb(140,  
197, 221) }
```

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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