

Converting Colors

$Y_{xy}(49.5753, 0.2502, 0.2962)$

Have a look what the booklet for
Yxy(49.5753, 0.2502, 0.2962)
contains.

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Color

Yxy(49.7422, 0.2503, 0.2970)

Conversions

Conversions Part 1

Format	Color
Hex	80C5DD
RGB	128, 197, 221
RGB Percent	50%, 77%, 87%
CMY	0.4981, 0.2274, 0.1332
CMYK	0.42, 0.11, 0.00, 0.13
HSL	195°, 58%, 68%
HSV	195°, 42%, 87%
XYZ	41.9208, 49.7422, 75.8192
YIQ	179.1050, -48.8280, -7.1640

Conversions

Conversions Part 2

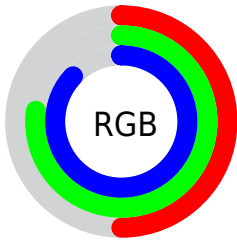
Format	Color
R _{YB}	128, 168, 221
Decimal	8439261
CIE _{Lab}	75.91, -15.57, -18.80
CIE _{LCh}	76, 24.412, 230.377
Y _{xy}	49.7422, 0.2503, 0.2970
Android (android.graphics.Color)	4286629341 (0xFF80C5DD)
YUV	179.1050, 20.6542, -44.8191
Hunter-Lab	70.5282, -17.3268, -14.3682

Details

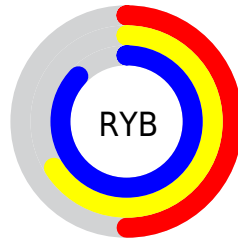
The Yxy color $49.7422, 0.2503, 0.2970$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $39.3966, 0.4087, 0.3581$, and the grayscale version is $45.0457, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.2940, 0.2720, 0.3278$, and $23.7758, 0.2340, 0.2872$ is the 20% darker color. If you saturate the color by 10%, you get $45.6695, 0.2376, 0.2879$, and if you desaturate by 10%, it is $54.2902, 0.2642, 0.3056$.

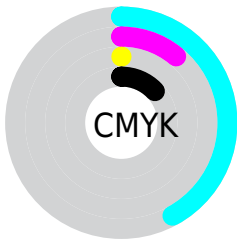
Distribution



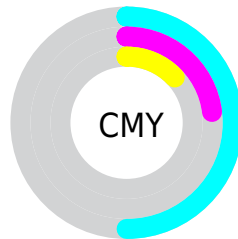
- Red (50%)
- Green (77%)
- Blue (87%)



- Red (50%)
- Yellow (66%)
- Blue (87%)



- Cyan (42%)
- Magenta (11%)
- Yellow (0%)
- Black (13%)



- Cyan (50%)
- Magenta (23%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7422, 0.2503, 0.2970 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 49.7422, 0.2503, 0.2970 by changing the saturation by 10% instead.

■ 49.7422, 0.2503,
0.2970

■ 49.7422, 0.2503,
0.2970

■ 385.6569, 0.2804,
0.3133

■ 35.2086, 0.2431,
0.2929

■ 89.7928, 0.2610,
0.3030

■ 23.8236, 0.2342,
0.2876

■ 116.0786, 0.2651,
0.3052

■ 15.2028, 0.2226,
0.2805

■ 147.0505, 0.2686,
0.3071

■ 8.9619, 0.2072,
0.2706

■ 183.0931, 0.2716,
0.3087

■ 4.7163, 0.1858,
0.2561

■ 224.5906, 0.2742,
0.3101

■ 2.0818, 0.1544,
0.2329

■ 271.9275, 0.2765,

■ 0.6544, 0.0720,

0.3113

0.1947

325.4881, 0.2786,
0.3124

0.0000, 0.0000,
0.0000

49.7422, 0.2503,
0.2970

49.7422, 0.2503,
0.2970

45.6695, 0.2376,
0.2879

54.2902, 0.2642,
0.3056

42.0408, 0.2263,
0.2785

59.3310, 0.2789,
0.3136

38.8295, 0.2169,
0.2689

64.8881, 0.2941,
0.3210

36.0029, 0.2093,
0.2591

70.9818, 0.3095,
0.3277

33.5221, 0.2038,
0.2495

77.6309, 0.3248,
0.3337

■ 31.7554, 0.2006,
0.2420

■ 83.7746, 0.3359,
0.3392

■ 87.0268, 0.3351,
0.3448

■ 90.3842, 0.3343,
0.3504

■ 93.8478, 0.3336,
0.3558

Harmonies

Analogous

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



49.7422, 0.2591, 0.3259



49.7422, 0.2503, 0.2970



49.7422, 0.2570, 0.2789

Triad

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



49.7422, 0.2503, 0.2970



49.7422, 0.3428, 0.3022



49.7422, 0.3462, 0.3887

Complementary

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



49.7422, 0.2503, 0.2970



39.3966, 0.4087, 0.3581

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.



49.7422, 0.3707, 0.3782



49.7422, 0.2503, 0.2970



49.7422, 0.3691, 0.3281

Square

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



49.7422, 0.2503, 0.2970



49.7422, 0.3090, 0.2829



49.7422, 0.3794, 0.3556



49.7422, 0.3135, 0.3817

Rectangle

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



49.7422, 0.2503, 0.2970



49.7422, 0.2695, 0.2743



49.7422, 0.3794, 0.3556



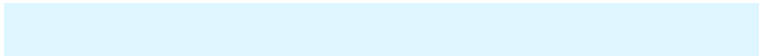
49.7422, 0.3557, 0.3870

Sweetspot

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



49.7441, 0.2503, 0.2970



88.9049, 0.2926, 0.3203



58.5599, 0.2936, 0.4259



18.6534, 0.2892, 0.3187



0.0000, 0.0000, 0.0000



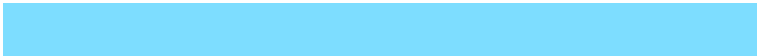
21.4041, 0.3127, 0.3290

Same Dimension

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



49.7441, 0.2503, 0.2970



63.5086, 0.2384, 0.2886



32.0235, 0.2397, 0.2321



14.2307, 0.2982, 0.3228



18.6333, 0.2010, 0.2434



1.3432, 0.2053, 0.2590

Inverse Universe

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



34.8434, 0.3414, 0.2498



41.1572, 0.3500, 0.2336



57.2183, 0.3856, 0.4096



13.2144, 0.3177, 0.3118



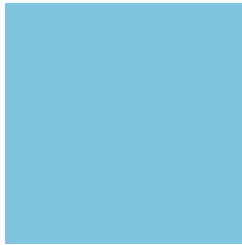
10.5048, 0.3988, 0.1971



0.6943, 0.3833, 0.1885

Previews

White Background



This preview shows how the Yxy color 49.7422, 0.2503, 0.2970 looks on a white background.

Color Contrast Check

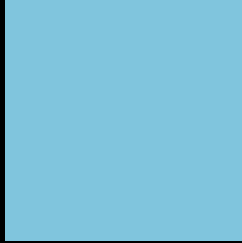
Large Text (above 18pt) WCAG AA × Fail

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 49.7422, 0.2503, 0.2970 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

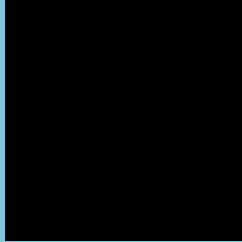
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.7422, 0.2503, 0.2970

Background



This preview shows how black text looks on a background with the Yxy color 49.7422, 0.2503, 0.2970.



This preview shows how white text looks on a background with the Yxy color 49.7422, 0.2503, 0.2970.

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

49.7422, 0.2503, 0.2970

Protanopia

49.4471, 0.2895, 0.2943

Deuteranopia

49.2768, 0.2848, 0.2783



Tritanopia

49.6788, 0.2532, 0.3073

Trichromacy



Original Color

49.7422, 0.2503, 0.2970

Protanomaly

49.0344, 0.2731, 0.2944

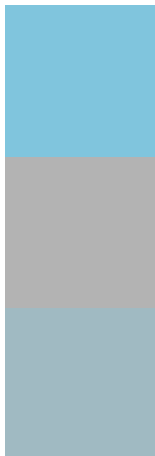
Deuteranomaly

48.8677, 0.2706, 0.2837

Tritanomaly

49.9099, 0.2521, 0.3035

Monochromacy



Original Color

49.7422, 0.2503, 0.2970

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.4864, 0.2861, 0.3182

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7422, 0.2503, 0.2970 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(128, 197, 221)` looks like.

```
.text, #text, p{  
    color:rgb(128, 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(128, 197, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 197, 221) }
```

Border

The CSS property to change the border of an element to Yxy 49.7422, 0.2503, 0.2970 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(128, 197, 221) }
```

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

```
.border{ border-color:rgb(128, 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(128, 197, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 197, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 197, 221);  
box-shadow:4px 4px 4px 4px rgb(128, 197,  
221) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7422, 0.2503, 0.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 197, 221) }
```

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

```
.background{ background-color: rgb(128,  
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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