

Converting Colors

$Y_{xy}(49.9102, 0.2548, 0.2980)$

Have a look what the booklet for
Yxy(49.9102, 0.2548, 0.2980)
contains.

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Color

Yxy(49.7981, 0.2546, 0.2973)

Conversions

Conversions Part 1

Format	Color
Hex	87C4DC
RGB	135, 196, 220
RGB Percent	53%, 77%, 86%
CMY	0.4706, 0.2313, 0.1373
CMYK	0.39, 0.11, 0.00, 0.14
HSL	197°, 55%, 70%
HSV	197°, 39%, 86%
XYZ	42.6458, 49.7981, 75.0573
YIQ	180.4970, -44.0600, -5.4680

Conversions

Conversions Part 2

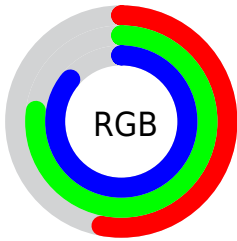
Format	Color
R _{YB}	135, 171, 220
Decimal	8897756
CIE Lab	75.95, -13.54, -18.15
CIE LCh	76, 22.640, 233.284
Yxy	49.7981, 0.2546, 0.2973
Android (android.graphics.Color)	4287087836 (0xFF87C4DC)
YUV	180.4970, 19.4750, -39.9009
Hunter-Lab	70.5678, -15.6218, -13.6646

Details

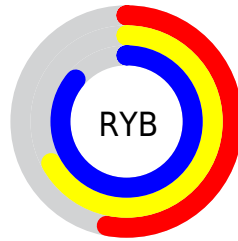
The Yxy color $49.7981, 0.2546, 0.2973$ is a light color, and the websafe version is hex $99CCCC$. A complement of this color would be $41.7433, 0.3970, 0.3582$, and the grayscale version is $45.8333, 0.3127, 0.3290$.

A 20% lighter version of the original color is $88.5469, 0.2755, 0.3268$, and $23.7681, 0.2391, 0.2875$ is the 20% darker color. If you saturate the color by 10%, you get $45.4188, 0.2412, 0.2875$, and if you desaturate by 10%, it is $54.6740, 0.2690, 0.3065$.

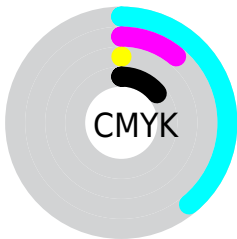
Distribution



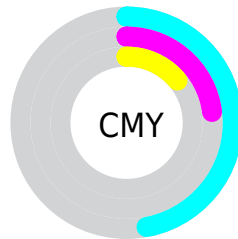
- Red (53%)
- Green (77%)
- Blue (86%)



- Red (53%)
- Yellow (67%)
- Blue (86%)



- Cyan (39%)
- Magenta (11%)
- Yellow (0%)
- Black (14%)



- Cyan (47%)
- Magenta (23%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.7981, 0.2546, 0.2973 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 49.7981, 0.2546, 0.2973 by changing the saturation by 10% instead.

■ 49.7981, 0.2546,
0.2973

■ 49.7981, 0.2546,
0.2973

■ 385.8759, 0.2827,
0.3134

■ 35.2530, 0.2479,
0.2933

■ 89.8757, 0.2646,
0.3032

■ 23.8578, 0.2395,
0.2881

■ 116.1769, 0.2684,
0.3054

■ 15.2282, 0.2286,
0.2812

■ 147.1657, 0.2716,
0.3072

■ 8.9797, 0.2141,
0.2716

■ 183.2263, 0.2745,
0.3088

■ 4.7279, 0.1938,
0.2575

■ 224.7433, 0.2769,
0.3102

■ 2.0885, 0.1637,
0.2350

■ 272.1009, 0.2791,

■ 0.6582, 0.0883,

0.3114

0.1970

325.6837, 0.2810,
0.3124

0.0000, 0.0000,
0.0000

49.7981, 0.2546,
0.2973

49.7981, 0.2546,
0.2973

45.4188, 0.2412,
0.2875

54.6740, 0.2690,
0.3065

41.5055, 0.2291,
0.2773

60.0633, 0.2841,
0.3150

38.0326, 0.2186,
0.2667

65.9891, 0.2994,
0.3228

34.9693, 0.2100,
0.2560

72.4713, 0.3148,
0.3299

32.2792, 0.2035,
0.2454

79.5284, 0.3300,
0.3363

■ 29.9080, 0.1988,
0.2348

■ 84.8352, 0.3363,
0.3423

■ 29.5986, 0.1982,
0.2334

■ 88.4145, 0.3355,
0.3483

■ 92.1185, 0.3346,
0.3543

■ 95.9486, 0.3338,
0.3602

Harmonies

Analogous

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



49.7981, 0.2615, 0.3234



49.7981, 0.2546, 0.2973



49.7981, 0.2622, 0.2815

Triad

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



49.7981, 0.2546, 0.2973



49.7981, 0.3434, 0.3062



49.7981, 0.3411, 0.3844

Complementary

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



49.7981, 0.2546, 0.2973



41.7433, 0.3970, 0.3582

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.



49.7981, 0.3648, 0.3763



49.7981, 0.2546, 0.2973



49.7981, 0.3666, 0.3308

Square

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



49.7981, 0.2546, 0.2973



49.7981, 0.3124, 0.2874



49.7981, 0.3745, 0.3562



49.7981, 0.3106, 0.3761

Rectangle

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



49.7981, 0.2546, 0.2973



49.7981, 0.2748, 0.2780



49.7981, 0.3745, 0.3562



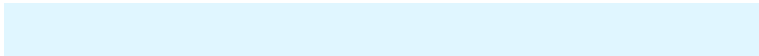
49.7981, 0.3502, 0.3834

Sweetspot

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



49.8000, 0.2546, 0.2973



89.2682, 0.2941, 0.3202



58.7810, 0.2941, 0.4144



18.8717, 0.2921, 0.3192



0.0000, 0.0000, 0.0000



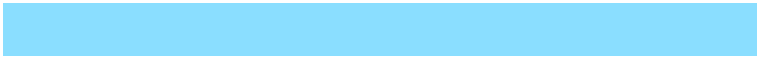
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8000, 0.2546, 0.2973



64.7971, 0.2441, 0.2898



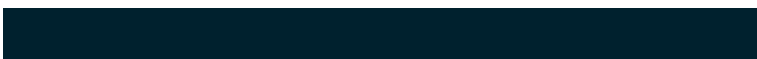
33.6995, 0.2459, 0.2396



14.1765, 0.2982, 0.3223



17.5729, 0.1986, 0.2350



1.2817, 0.2034, 0.2522

Inverse Universe

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



36.5235, 0.3404, 0.2583



44.6206, 0.3479, 0.2446



58.3375, 0.3784, 0.4045



13.2089, 0.3181, 0.3124



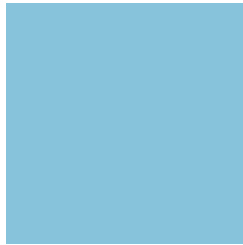
10.3978, 0.4074, 0.2018



0.6881, 0.3901, 0.1923

Previews

White Background



This preview shows how the Yxy color 49.7981, 0.2546, 0.2973 looks on a white background.

Color Contrast Check

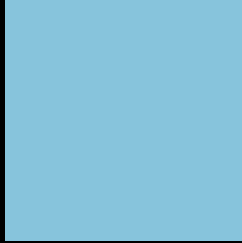
Large Text (above 18pt) WCAG AA × Fail

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 49.7981, 0.2546, 0.2973 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 49.7981, 0.2546, 0.2973

Background



This preview shows how black text looks on a background with the Yxy color 49.7981, 0.2546, 0.2973.



This preview shows how white text looks on a background with the Yxy color 49.7981, 0.2546, 0.2973.

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

49.7981, 0.2546, 0.2973

Protanopia

49.4471, 0.2895, 0.2943

Deuteranopia

49.3484, 0.2862, 0.2795



Tritanopia

49.7231, 0.2575, 0.3075

Trichromacy



Original Color

49.7981, 0.2546, 0.2973

Protanomaly

49.3524, 0.2752, 0.2946

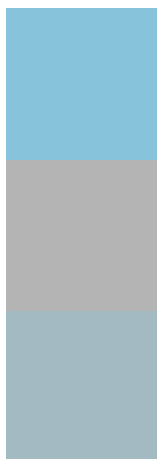
Deuteranomaly

49.1394, 0.2733, 0.2851

Tritanomaly

49.9587, 0.2564, 0.3036

Monochromacy



Original Color

49.7981, 0.2546, 0.2973

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.9505, 0.2884, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.7981, 0.2546, 0.2973 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(135, 196, 220)` looks like.

```
.text, #text, p{  
    color:rgb(135, 196, 220)  
}
```

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(135, 196, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 196, 220) }
```

Border

The CSS property to change the border of an element to Yxy 49.7981, 0.2546, 0.2973 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(135, 196, 220) }
```

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

```
.border{ border-color:rgb(135, 196, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(135, 196, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 196, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 196, 220);  
box-shadow:4px 4px 4px 4px rgb(135, 196,  
220) }
```


Background

The CSS property to change the background color of an element to Yxy 49.7981, 0.2546, 0.2973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 196, 220) }
```

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

```
.background{ background-color: rgb(135,  
196, 220) }
```

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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