

Converting Colors

$Yxy(49.4243, 0.2557, 0.3022)$

Have a look what the booklet for
Yxy(49.4243, 0.2557, 0.3022)
contains.

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Color

Yxy(49.4243, 0.2557, 0.3022)

Conversions

Conversions Part 1

Format	Color
Hex	85C4D8
RGB	133, 196, 216
RGB Percent	52%, 77%, 85%
CMY	0.4780, 0.2314, 0.1529
CMYK	0.38, 0.09, 0.00, 0.15
HSL	194°, 52%, 68%
HSV	194°, 38%, 85%
XYZ	41.8193, 49.4243, 72.3047
YIQ	179.4430, -43.9680, -7.1360

Conversions

Conversions Part 2

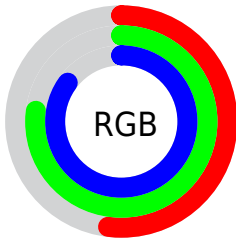
Format	Color
R _{YB}	133, 169, 216
Decimal	8766680
CIE Lab	75.71, -15.03, -16.36
CIE LCh	76, 22.216, 227.425
Yxy	49.4243, 0.2557, 0.3022
Android (android.graphics.Color)	4286956760 (0xFF85C4D8)
YUV	179.4430, 18.0226, -40.7305
Hunter-Lab	70.3024, -16.8487, -11.7670

Details

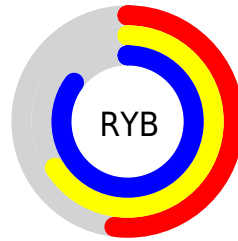
The Yxy color **49.4243, 0.2557, 0.3022** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.1181, 0.3978, 0.3538**, and the grayscale version is **45.2594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2894, 0.2745, 0.3268**, and **23.5389, 0.2405, 0.2941** is the 20% darker color. If you saturate the color by 10%, you get **45.5313, 0.2427, 0.2939**, and if you desaturate by 10%, it is **53.7646, 0.2698, 0.3100**.

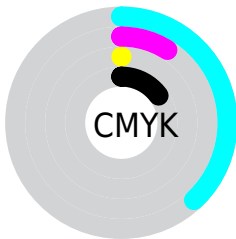
Distribution



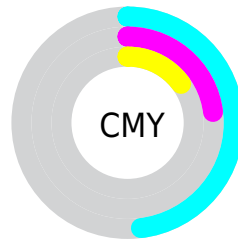
- Red (52%)
- Green (77%)
- Blue (85%)



- Red (52%)
- Yellow (66%)
- Blue (85%)



- Cyan (38%)
- Magenta (9%)
- Yellow (0%)
- Black (15%)



- Cyan (48%)
- Magenta (23%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.4243, 0.2557, 0.3022 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 49.4243, 0.2557, 0.3022 by changing the saturation by 10% instead.

■ 49.4243, 0.2557,
0.3022

■ 49.4243, 0.2557,
0.3022

■ 384.4103, 0.2833,
0.3159

■ 34.9562, 0.2491,
0.2987

■ 89.3213, 0.2655,
0.3072

■ 23.6291, 0.2408,
0.2942

■ 115.5190, 0.2693,
0.3091

■ 15.0587, 0.2300,
0.2881

■ 146.3953, 0.2725,
0.3107

■ 8.8606, 0.2156,
0.2797

■ 182.3347, 0.2752,
0.3121

■ 4.6504, 0.1953,
0.2670

■ 223.7214, 0.2777,
0.3132

■ 2.0436, 0.1652,
0.2464

■ 270.9400, 0.2798,

■ 0.6326, 0.0785,

0.3142

0.2118

324.3749, 0.2816,
0.3151

0.0000, 0.0000,
0.0000

49.4243, 0.2557,
0.3022

49.4243, 0.2557,
0.3022

45.5313, 0.2427,
0.2939

53.7646, 0.2698,
0.3100

42.0566, 0.2311,
0.2853

58.5676, 0.2846,
0.3172

38.9766, 0.2212,
0.2764

63.8549, 0.2998,
0.3239

36.2623, 0.2132,
0.2674

69.6450, 0.3152,
0.3299

33.8797, 0.2071,
0.2584

75.9551, 0.3305,
0.3354

■ 31.7787, 0.2029,
0.2495

■ 81.3112, 0.3398,
0.3404

■ 31.4532, 0.2023,
0.2481

■ 84.2128, 0.3391,
0.3455

■ 87.2016, 0.3383,
0.3506

■ 90.2784, 0.3375,
0.3557

Harmonies

Analogous

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



49.4243, 0.2652, 0.3292



49.4243, 0.2557, 0.3022



49.4243, 0.2605, 0.2843

Triad

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



49.4243, 0.2557, 0.3022



49.4243, 0.3373, 0.3023



49.4243, 0.3460, 0.3831

Complementary

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



49.4243, 0.2557, 0.3022



39.1181, 0.3978, 0.3538

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.



49.4243, 0.3671, 0.3724



49.4243, 0.2557, 0.3022



49.4243, 0.3623, 0.3259

Square

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



49.4243, 0.2557, 0.3022



49.4243, 0.3064, 0.2855



49.4243, 0.3733, 0.3512



49.4243, 0.3166, 0.3782

Rectangle

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



49.4243, 0.2557, 0.3022



49.4243, 0.2712, 0.2792



49.4243, 0.3733, 0.3512



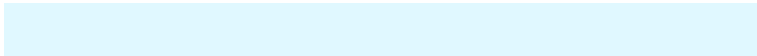
49.4243, 0.3544, 0.3811

Sweetspot

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



49.4262, 0.2557, 0.3022



90.0269, 0.2941, 0.3215



56.3911, 0.2959, 0.4177



19.0509, 0.2921, 0.3206



0.0000, 0.0000, 0.0000



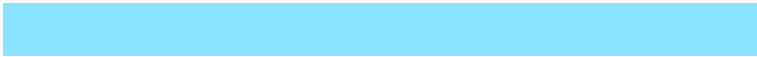
21.4041, 0.3127, 0.3290

Same Dimension

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



49.4262, 0.2557, 0.3022



67.3576, 0.2451, 0.2956



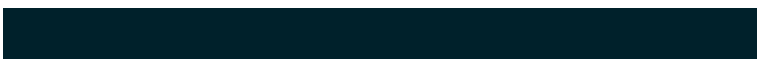
33.4650, 0.2471, 0.2444



13.5760, 0.2982, 0.3232



18.7916, 0.2026, 0.2494



1.2582, 0.2069, 0.2648

Inverse Universe

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



35.3872, 0.3367, 0.2552



44.8790, 0.3434, 0.2404



54.8342, 0.3790, 0.4010



12.5790, 0.3174, 0.3115



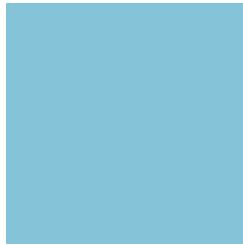
10.2419, 0.3928, 0.1937



0.6303, 0.3778, 0.1855

Previews

White Background



This preview shows how the Yxy color 49.4243, 0.2557, 0.3022 looks on a white background.

Color Contrast Check

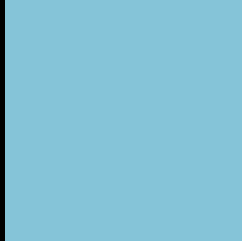
Large Text (above 18pt) WCAG AA × Fail

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 49.4243, 0.2557, 0.3022 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

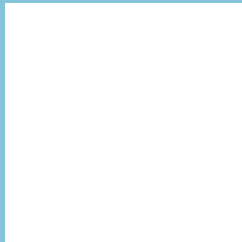
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.4243, 0.2557, 0.3022

Background



This preview shows how black text looks on a background with the Yxy color 49.4243, 0.2557, 0.3022.



This preview shows how white text looks on a background with the Yxy color 49.4243, 0.2557, 0.3022.

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

49.4243, 0.2557, 0.3022

Protanopia

48.8295, 0.2923, 0.2978

Deuteranopia

48.8536, 0.2898, 0.2829



Tritanopia

49.5915, 0.2575, 0.3087

Trichromacy



Original Color

49.4243, 0.2557, 0.3022

Protanomaly

48.6124, 0.2770, 0.2981

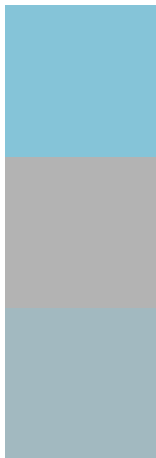
Deuteranomaly

48.5046, 0.2758, 0.2885

Tritanomaly

49.6421, 0.2569, 0.3074

Monochromacy



Original Color

49.4243, 0.2557, 0.3022

Achromatopsia

45.0786, 0.3127, 0.3290

Achromatomaly

46.1851, 0.2890, 0.3196

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.4243, 0.2557, 0.3022 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(133, 196, 216)` looks like.

```
.text, #text, p{  
    color:rgb(133, 196, 216)  
}
```

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(133, 196, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 196, 216) }
```

Border

The CSS property to change the border of an element to Yxy 49.4243, 0.2557, 0.3022 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(133, 196, 216) }
```

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

```
.border{ border-color:rgb(133, 196, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 196, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 196, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 196, 216);  
box-shadow:4px 4px 4px 4px rgb(133, 196,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 49.4243, 0.2557, 0.3022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 196, 216) }
```

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

```
.background{ background-color: rgb(133,  
196, 216) }
```

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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