

Converting Colors

$Y_{xy}(50.2867, 0.2653, 0.3129)$

Have a look what the booklet for
Yxy(50.2867, 0.2653, 0.3129)
contains.

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Color

Yxy(50.2867, 0.2653, 0.3129)

Conversions

Conversions Part 1

Format	Color
Hex	8EC5D1
RGB	142, 197, 209
RGB Percent	56%, 77%, 82%
CMY	0.4430, 0.2275, 0.1803
CMYK	0.32, 0.06, 0.00, 0.18
HSL	191°, 42%, 69%
HSV	191°, 32%, 82%
XYZ	42.6368, 50.2867, 67.7882
YIQ	181.9230, -36.6320, -7.9280

Conversions

Conversions Part 2

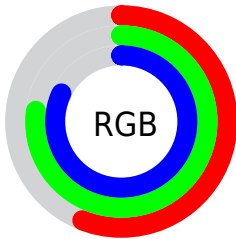
Format	Color
RYB	142, 172, 209
Decimal	9356753
CIELab	76.24, -14.85, -11.73
CIElCh	76, 18.929, 218.306
Yxy	50.2867, 0.2653, 0.3129
Android (android.graphics.Color)	4287546833 (0xFF8EC5D1)
YUV	181.9230, 13.3490, -35.0125
Hunter-Lab	70.9131, -16.7740, -7.0381

Details

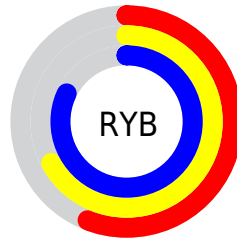
The Yxy color **50.2867, 0.2653, 0.3129** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.6442, 0.3810, 0.3444**, and the grayscale version is **46.6820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9739, 0.2788, 0.3279**, and **24.1353, 0.2526, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **46.9268, 0.2522, 0.3071**, and if you desaturate by 10%, it is **54.0397, 0.2794, 0.3184**.

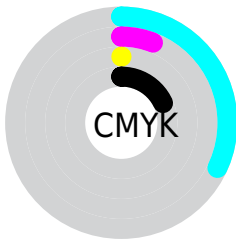
Distribution



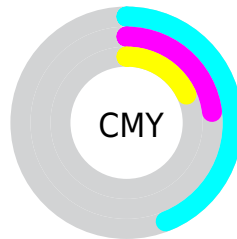
- Red (56%)
- Green (77%)
- Blue (82%)



- Red (56%)
- Yellow (67%)
- Blue (82%)



- Cyan (32%)
- Magenta (6%)
- Yellow (0%)
- Black (18%)



- Cyan (44%)
- Magenta (23%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.2867, 0.2653, 0.3129 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 50.2867, 0.2653, 0.3129 by changing the saturation by 10% instead.

■ 50.2867, 0.2653,
0.3129

■ 50.2867, 0.2653,
0.3129

■ 387.7861, 0.2883,
0.3212

■ 35.6413, 0.2598,
0.3107

■ 90.5995, 0.2735,
0.3160

■ 24.1573, 0.2528,
0.3080

■ 117.0357, 0.2766,
0.3171

■ 15.4503, 0.2437,
0.3042

■ 148.1709, 0.2793,
0.3181

■ 9.1360, 0.2314,
0.2988

■ 184.3895, 0.2816,
0.3189

■ 4.8300, 0.2140,
0.2906

■ 226.0759, 0.2836,
0.3196

■ 2.1479, 0.1875,
0.2769

■ 273.6146, 0.2854,

■ 0.6913, 0.1092,

0.3202

0.2564

327.3898, 0.2869,
0.3208

0.0000, 0.0000,
0.0000

50.2867, 0.2653,
0.3129

50.2867, 0.2653,
0.3129

46.9268, 0.2522,
0.3071

54.0397, 0.2794,
0.3184

43.9343, 0.2404,
0.3009

58.1979, 0.2943,
0.3235

41.2895, 0.2302,
0.2946

62.7804, 0.3096,
0.3281

38.9682, 0.2219,
0.2881

67.8030, 0.3250,
0.3323

36.9429, 0.2154,
0.2816

73.2809, 0.3403,
0.3361

■ 35.1803, 0.2109,
0.2752

■ 76.7893, 0.3460,
0.3397

■ 33.9192, 0.2084,
0.2701

■ 78.7747, 0.3454,
0.3435

■ 80.8046, 0.3447,
0.3472

■ 82.8791, 0.3440,
0.3509

Harmonies

Analogous

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



50.2867, 0.2770, 0.3369



50.2867, 0.2653, 0.3129



50.2867, 0.2656, 0.2948

Triad

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



50.2867, 0.2653, 0.3129



50.2867, 0.3259, 0.3011



50.2867, 0.3476, 0.3733

Complementary

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



50.2867, 0.2653, 0.3129



38.6442, 0.3810, 0.3444

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.



50.2867, 0.3619, 0.3613



50.2867, 0.2653, 0.3129



50.2867, 0.3492, 0.3200

Square

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



50.2867, 0.2653, 0.3129



50.2867, 0.2997, 0.2890



50.2867, 0.3626, 0.3417



50.2867, 0.3242, 0.3731

Rectangle

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



50.2867, 0.2653, 0.3129



50.2867, 0.2726, 0.2880



50.2867, 0.3626, 0.3417



50.2867, 0.3536, 0.3705

Sweetspot

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



50.2887, 0.2653, 0.3129



92.5950, 0.2972, 0.3244



53.6689, 0.3013, 0.4069



19.6083, 0.2951, 0.3237



0.0000, 0.0000, 0.0000



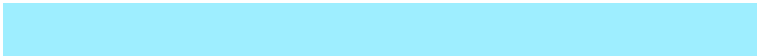
21.4041, 0.3127, 0.3290

Same Dimension

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



50.2887, 0.2653, 0.3129



75.4207, 0.2568, 0.3092



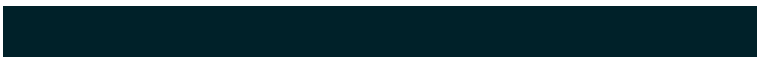
37.0419, 0.2598, 0.2672



13.0311, 0.2983, 0.3247



21.0423, 0.2086, 0.2710



1.2731, 0.2119, 0.2828

Inverse Universe

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



36.9479, 0.3277, 0.2629



51.8979, 0.3315, 0.2498



50.9211, 0.3685, 0.3838



11.9711, 0.3165, 0.3101



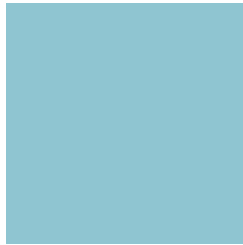
10.1955, 0.3719, 0.1822



0.5798, 0.3609, 0.1762

Previews

White Background



This preview shows how the Yxy color 50.2867, 0.2653, 0.3129 looks on a white background.

Color Contrast Check

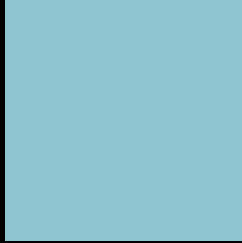
Large Text (above 18pt) WCAG AA × Fail

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 50.2867, 0.2653, 0.3129 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

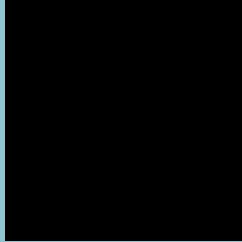
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

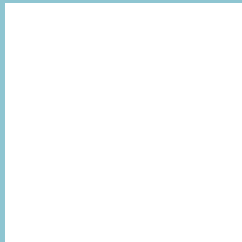
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.2867, 0.2653, 0.3129

Background



This preview shows how black text looks on a background with the Yxy color 50.2867, 0.2653, 0.3129.



This preview shows how white text looks on a background with the Yxy color 50.2867, 0.2653, 0.3129.

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

50.2867, 0.2653, 0.3129

Protanopia

49.8212, 0.3006, 0.3090

Deuteranopia

50.0898, 0.2996, 0.2939



Tritanopia

50.0730, 0.2640, 0.3077

Trichromacy



Original Color

50.2867, 0.2653, 0.3129

Protanomaly

49.7807, 0.2863, 0.3097

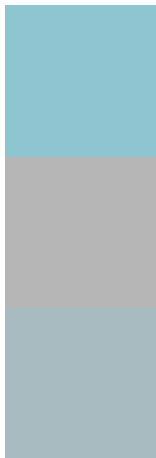
Deuteranomaly

49.7835, 0.2858, 0.3000

Tritanomaly

50.0226, 0.2646, 0.3090

Monochromacy



Original Color

50.2867, 0.2653, 0.3129

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

47.5619, 0.2929, 0.3223

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.2867, 0.2653, 0.3129 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, 197, 209)` looks like.

```
.text, #text, p{  
    color:rgb(142, 197, 209)  
}
```

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, 197, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 197, 209) }
```

Border

The CSS property to change the border of an element to Yxy 50.2867, 0.2653, 0.3129 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, 197, 209) }
```

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

```
.border{ border-color:rgb(142, 197, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 197, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 197, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 197, 209);  
box-shadow:4px 4px 4px 4px rgb(142, 197,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 50.2867, 0.2653, 0.3129 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 197, 209) }
```

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

```
.background{ background-color: rgb(142,  
197, 209) }
```

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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