

Converting Colors

$Y_{xy}(49.8457, 0.2633, 0.3090)$

Have a look what the booklet for
Yxy(49.8457, 0.2633, 0.3090)
contains.

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Color

Yxy(49.8457, 0.2633, 0.3090)

Conversions

Conversions Part 1

Format	Color
Hex	8DC4D3
RGB	141, 196, 211
RGB Percent	55%, 77%, 83%
CMY	0.4472, 0.2313, 0.1726
CMYK	0.33, 0.07, 0.00, 0.17
HSL	193°, 44%, 69%
HSV	193°, 33%, 83%
XYZ	42.4737, 49.8457, 68.9935
YIQ	181.2650, -37.5950, -6.9950

Conversions

Conversions Part 2

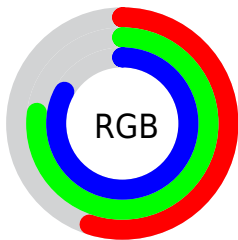
Format	Color
RYB	141, 172, 211
Decimal	9290963
CIELab	75.97, -14.18, -13.21
CIELCh	76, 19.375, 222.969
Yxy	49.8457, 0.2633, 0.3090
Android (android.graphics.Color)	4287481043 (0xFF8DC4D3)
YUV	181.2650, 14.6594, -35.3124
Hunter-Lab	70.6015, -16.1674, -8.5186

Details

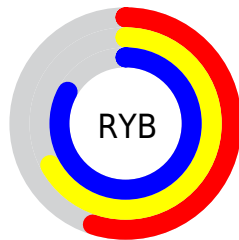
The Yxy color **49.8457, 0.2633, 0.3090** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5155, 0.3834, 0.3480**, and the grayscale version is **46.2892, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.3409, 0.2787, 0.3268**, and **23.8210, 0.2508, 0.3033** is the 20% darker color. If you saturate the color by 10%, you get **46.1685, 0.2500, 0.3020**, and if you desaturate by 10%, it is **53.9402, 0.2776, 0.3156**.

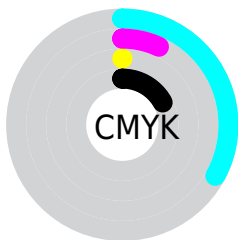
Distribution



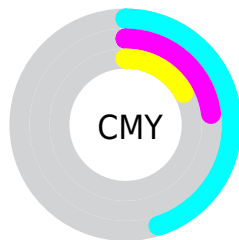
- Red (55%)
- Green (77%)
- Blue (83%)



- Red (55%)
- Yellow (67%)
- Blue (83%)



- Cyan (33%)
- Magenta (7%)
- Yellow (0%)
- Black (17%)




- Cyan (45%)
- Magenta (23%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 49.8457, 0.2633, 0.3090 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 49.8457, 0.2633, 0.3090 by changing the saturation by 10% instead.

 49.8457, 0.2633,
0.3090


 49.8457, 0.2633,
0.3090


386.0622, 0.2873,
0.3193

 35.2908, 0.2575,
0.3064


 89.9462, 0.2719,
0.3128

 23.8870, 0.2503,
0.3030


 116.2606, 0.2751,
0.3142

 15.2498, 0.2408,
0.2984


147.2637, 0.2779,
0.3154

 8.9949, 0.2280,
0.2919

183.3398, 0.2803,
0.3164

 4.7378, 0.2099,
0.2821

224.8733, 0.2824,
0.3173

 2.0943, 0.1825,
0.2660

272.2486, 0.2842,

 0.6614, 0.1024,

0.3180

0.2397

325.8501, 0.2859,
0.3187

0.0000, 0.0000,
0.0000

49.8457, 0.2633,
0.3090

49.8457, 0.2633,
0.3090

46.1685, 0.2500,
0.3020

53.9402, 0.2776,
0.3156

42.8820, 0.2380,
0.2945

58.4650, 0.2925,
0.3217

39.9657, 0.2275,
0.2869

63.4398, 0.3078,
0.3273

37.3942, 0.2189,
0.2790

68.8813, 0.3232,
0.3324

35.1384, 0.2122,
0.2712

74.8051, 0.3384,
0.3369

■ 33.1633, 0.2075,
0.2634

■ 78.7696, 0.3440,
0.3413

■ 31.9382, 0.2050,
0.2581

■ 81.2113, 0.3433,
0.3458

■ 83.7177, 0.3425,
0.3502

■ 86.2891, 0.3417,
0.3546

Harmonies

Analogous

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



49.8457, 0.2735, 0.3331



49.8457, 0.2633, 0.3090



49.8457, 0.2656, 0.2918

Triad

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



49.8457, 0.2633, 0.3090



49.8457, 0.3303, 0.3030



49.8457, 0.3452, 0.3754

Complementary

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



49.8457, 0.2633, 0.3090



39.5155, 0.3834, 0.3480

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.



49.8457, 0.3617, 0.3647



49.8457, 0.2633, 0.3090



49.8457, 0.3532, 0.3232

Square

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



49.8457, 0.2633, 0.3090



49.8457, 0.3034, 0.2893



49.8457, 0.3648, 0.3454



49.8457, 0.3203, 0.3730

Rectangle

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



49.8457, 0.2633, 0.3090



49.8457, 0.2740, 0.2861



49.8457, 0.3648, 0.3454



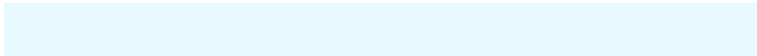
49.8457, 0.3519, 0.3731

Sweetspot

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



49.8477, 0.2633, 0.3090



92.0535, 0.2972, 0.3235



54.6003, 0.2994, 0.4069



19.4766, 0.2950, 0.3227



0.0000, 0.0000, 0.0000



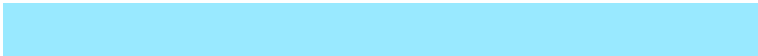
21.4041, 0.3127, 0.3290

Same Dimension

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



49.8477, 0.2633, 0.3090



72.3878, 0.2535, 0.3039



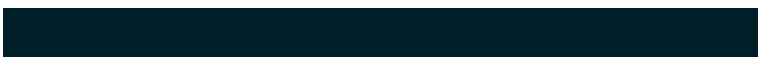
36.1879, 0.2573, 0.2612



12.9604, 0.2983, 0.3239



19.4340, 0.2054, 0.2593



1.1962, 0.2093, 0.2735

Inverse Universe

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



36.8682, 0.3307, 0.2631



49.9375, 0.3358, 0.2489



52.5807, 0.3699, 0.3885



11.9640, 0.3170, 0.3109



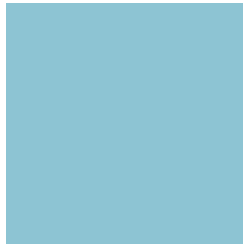
10.0331, 0.3831, 0.1884



0.5721, 0.3695, 0.1809

Previews

White Background



This preview shows how the Yxy color 49.8457, 0.2633, 0.3090 looks on a white background.

Color Contrast Check

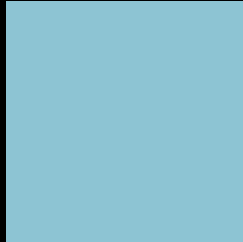
Large Text (above 18pt) WCAG AA × Fail

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 49.8457, 0.2633, 0.3090 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

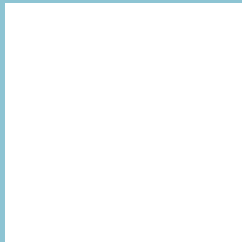
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 49.8457, 0.2633, 0.3090

Background



This preview shows how black text looks on a background with the Yxy color 49.8457, 0.2633, 0.3090.



This preview shows how white text looks on a background with the Yxy color 49.8457, 0.2633, 0.3090.

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

49.8457, 0.2633, 0.3090

Protanopia

49.3718, 0.2984, 0.3053

Deuteranopia

49.5174, 0.2966, 0.2902



Tritanopia

49.8960, 0.2627, 0.3077

Trichromacy



Original Color

49.8457, 0.2633, 0.3090

Protanomaly

49.3352, 0.2841, 0.3059

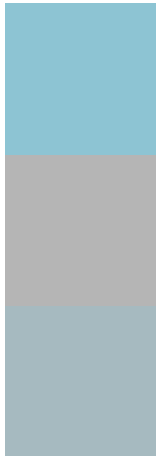
Deuteranomaly

49.2290, 0.2828, 0.2962

Tritanomaly

49.8960, 0.2627, 0.3077

Monochromacy



Original Color

49.8457, 0.2633, 0.3090

Achromatopsia

46.2077, 0.3127, 0.3290

Achromatomaly

47.0306, 0.2921, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8457, 0.2633, 0.3090 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(141, 196, 211)` looks like.

```
.text, #text, p{  
    color:rgb(141, 196, 211)  
}
```

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(141, 196, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 196, 211) }
```

Border

The CSS property to change the border of an element to Yxy 49.8457, 0.2633, 0.3090 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(141, 196, 211) }
```

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

```
.border{ border-color:rgb(141, 196, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 196, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 196, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 196, 211);  
box-shadow:4px 4px 4px 4px rgb(141, 196,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8457, 0.2633, 0.3090 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 196, 211) }
```

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

```
.background{ background-color: rgb(141,  
196, 211) }
```

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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