

Converting Colors

$Y_{xy}(50.1865, 0.2733, 0.3096)$

Have a look what the booklet for
Yxy(50.1865, 0.2733, 0.3096)
contains.

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Color

Yxy(50.1556, 0.2733, 0.3093)

Conversions

Conversions Part 1

Format	Color
Hex	9BC2D1
RGB	155, 194, 209
RGB Percent	61%, 76%, 82%
CMY	0.3922, 0.2392, 0.1803
CMYK	0.26, 0.07, 0.00, 0.18
HSL	197°, 37%, 71%
HSV	197°, 26%, 82%
XYZ	44.3179, 50.1556, 67.6849
YIQ	184.0490, -28.0590, -3.6030

Conversions

Conversions Part 2

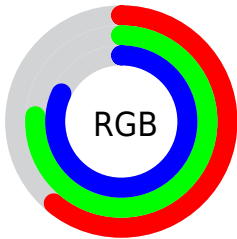
Format	Color
RYB	155, 178, 209
Decimal	10207953
CIELab	76.16, -9.54, -11.79
CIELCh	76, 15.164, 231.002
Yxy	50.1556, 0.2733, 0.3093
Android (android.graphics.Color)	4288398033 (0xFF9BC2D1)
YUV	184.0490, 12.3008, -25.4760
Hunter-Lab	70.8206, -12.2349, -7.0904

Details

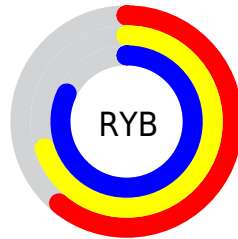
The Yxy color **50.1556, 0.2733, 0.3093** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.6774, 0.3628, 0.3478**, and the grayscale version is **47.9036, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9160, 0.2858, 0.3248**, and **23.9475, 0.2621, 0.3021** is the 20% darker color. If you saturate the color by 10%, you get **45.7294, 0.2587, 0.3005**, and if you desaturate by 10%, it is **55.0450, 0.2884, 0.3175**.

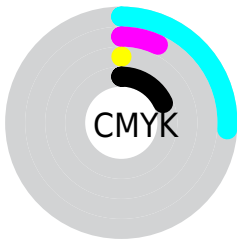
Distribution



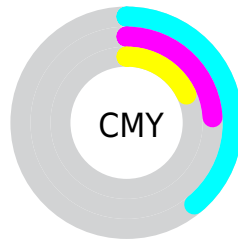
- Red (61%)
- Green (76%)
- Blue (82%)



- Red (61%)
- Yellow (70%)
- Blue (82%)



- Cyan (26%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)



- Cyan (39%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 50.1556, 0.2733, 0.3093 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 50.1556, 0.2733, 0.3093 by changing the saturation by 10% instead.

■ 50.1556, 0.2733,
0.3093

■ 50.1556, 0.2733,
0.3093

■ 387.2741, 0.2925,
0.3193

■ 35.5370, 0.2687,
0.3068

■ 90.4054, 0.2802,
0.3129

■ 24.0769, 0.2628,
0.3036

■ 116.8054, 0.2828,
0.3143

■ 15.3906, 0.2551,
0.2993

■ 147.9014, 0.2850,
0.3154

■ 9.0940, 0.2447,
0.2933

■ 184.0777, 0.2869,
0.3164

■ 4.8026, 0.2299,
0.2843

■ 225.7187, 0.2886,
0.3173

■ 2.1319, 0.2069,
0.2697

■ 273.2088, 0.2901,

■ 0.6825, 0.1485,

0.3180

0.2438

326.9325, 0.2914,
0.3187

0.0000, 0.0000,
0.0000

50.1556, 0.2733,
0.3093

50.1556, 0.2733,
0.3093

45.7294, 0.2587,
0.3005

55.0450, 0.2884,
0.3175

41.7407, 0.2451,
0.2910

60.4096, 0.3037,
0.3250

38.1703, 0.2326,
0.2811

66.2688, 0.3190,
0.3317

34.9948, 0.2217,
0.2708

72.6386, 0.3341,
0.3378

32.1879, 0.2127,
0.2603

78.6715, 0.3454,
0.3433

■ 29.7193, 0.2056,
0.2498

■ 81.8311, 0.3444,
0.3490

■ 27.5517, 0.2005,
0.2395

■ 85.0983, 0.3434,
0.3547

■ 26.7133, 0.1987,
0.2352

■ 88.4741, 0.3424,
0.3604

■ 91.9597, 0.3414,
0.3659

Harmonies

Analogous

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



50.1556, 0.2789, 0.3271



50.1556, 0.2733, 0.3093



50.1556, 0.2778, 0.2976

Triad

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



50.1556, 0.2733, 0.3093



50.1556, 0.3319, 0.3125



50.1556, 0.3335, 0.3656

Complementary

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



50.1556, 0.2733, 0.3093



44.6774, 0.3628, 0.3478

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.



50.1556, 0.3485, 0.3601



50.1556, 0.2733, 0.3093



50.1556, 0.3477, 0.3293

Square

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



50.1556, 0.2733, 0.3093



50.1556, 0.3112, 0.2999



50.1556, 0.3538, 0.3467



50.1556, 0.3132, 0.3607

Rectangle

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



50.1556, 0.2733, 0.3093



50.1556, 0.2861, 0.2945



50.1556, 0.3538, 0.3467



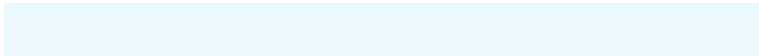
50.1556, 0.3393, 0.3649

Sweetspot

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



50.1576, 0.2733, 0.3093



92.7692, 0.3003, 0.3234



55.4615, 0.2999, 0.3822



19.5775, 0.2980, 0.3222



0.0000, 0.0000, 0.0000



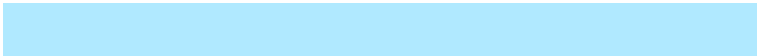
21.4041, 0.3127, 0.3290

Same Dimension

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



50.1576, 0.2733, 0.3093



74.7366, 0.2652, 0.3045



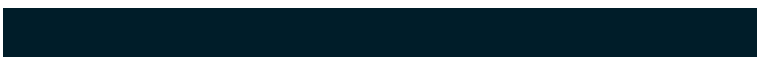
39.4271, 0.2700, 0.2733



12.8283, 0.2983, 0.3224



16.6388, 0.1991, 0.2367



1.0601, 0.2043, 0.2556

Inverse Universe

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



40.8917, 0.3292, 0.2819



58.1757, 0.3336, 0.2716



55.5944, 0.3550, 0.3791



11.9506, 0.3180, 0.3124



9.7510, 0.4057, 0.2009



0.5583, 0.3867, 0.1904

Previews

White Background



This preview shows how the Yxy color 50.1556, 0.2733, 0.3093 looks on a white background.

Color Contrast Check

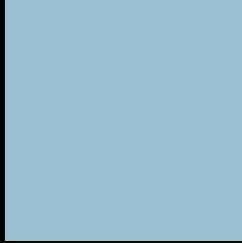
Large Text (above 18pt) WCAG AA × Fail

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 50.1556, 0.2733, 0.3093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

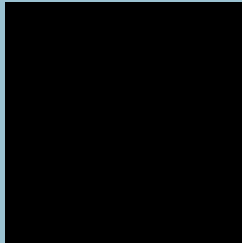
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 50.1556, 0.2733, 0.3093

Background



This preview shows how black text looks on a background with the Yxy color 50.1556, 0.2733, 0.3093.



This preview shows how white text looks on a background with the Yxy color 50.1556, 0.2733, 0.3093.

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

50.1556, 0.2733, 0.3093

Protanopia

49.9165, 0.2992, 0.3066

Deuteranopia

49.6284, 0.3004, 0.2938



Tritanopia

50.1556, 0.2733, 0.3093

Trichromacy



Original Color

50.1556, 0.2733, 0.3093

Protanomaly

49.9654, 0.2893, 0.3074

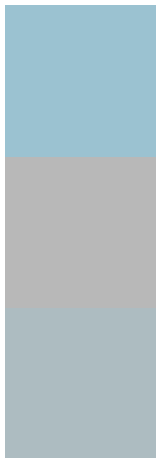
Deuteranomaly

49.4743, 0.2902, 0.2990

Tritanomaly

50.1556, 0.2733, 0.3093

Monochromacy



Original Color

50.1556, 0.2733, 0.3093

Achromatopsia

47.9320, 0.3127, 0.3290

Achromatomaly

48.7009, 0.2969, 0.3225

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.1556, 0.2733, 0.3093 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(155, 194, 209)` looks like.

```
.text, #text, p{  
  color:rgb(155, 194, 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(155, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 194, 209) }
```

Border

The CSS property to change the border of an element to Yxy 50.1556, 0.2733, 0.3093 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(155, 194, 209) }
```

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

```
.border{ border-color:rgb(155, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(155, 194,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 50.1556, 0.2733, 0.3093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 194, 209) }
```

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

```
.background{ background-color: rgb(155,  
194, 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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