

Converting Colors

$Y_{xy}(54.2791, 0.2699, 0.3186)$

Have a look what the booklet for
Yxy(54.2791, 0.2699, 0.3186)
contains.

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Color

Yxy(54.4232, 0.2696, 0.3186)

Conversions

Conversions Part 1

Format	Color
Hex	96CCD4
RGB	150, 204, 212
RGB Percent	59%, 80%, 83%
CMY	0.4117, 0.2000, 0.1687
CMYK	0.29, 0.04, 0.00, 0.17
HSL	188°, 42%, 71%
HSV	188°, 29%, 83%
XYZ	46.0530, 54.4232, 70.3436
YIQ	188.7660, -34.7520, -8.9600

Conversions

Conversions Part 2

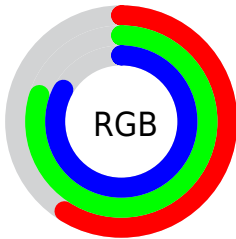
Format	Color
RYB	150, 179, 212
Decimal	9882836
CIELab	78.71, -15.51, -9.61
CIELCh	79, 18.243, 211.774
Yxy	54.4232, 0.2696, 0.3186
Android (android.graphics.Color)	4288072916 (0xFF96CCD4)
YUV	188.7660, 11.4544, -33.9978
Hunter-Lab	73.7721, -17.6706, -4.8941

Details

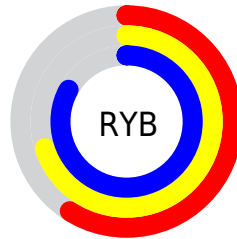
The Yxy color **54.4232, 0.2696, 0.3186** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.6430, 0.3744, 0.3391**, and the grayscale version is **50.6985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8618, 0.2838, 0.3289**, and **26.7884, 0.2591, 0.3166** is the 20% darker color. If you saturate the color by 10%, you get **51.3085, 0.2566, 0.3145**, and if you desaturate by 10%, it is **57.9287, 0.2837, 0.3224**.

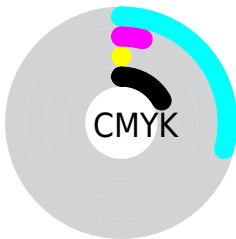
Distribution



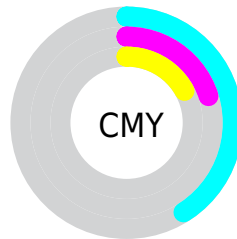
- Red (59%)
- Green (80%)
- Blue (83%)



- Red (59%)
- Yellow (70%)
- Blue (83%)



- Cyan (29%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)




- Cyan (41%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4232, 0.2696, 0.3186 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 54.4232, 0.2696, 0.3186 by changing the saturation by 10% instead.


 54.4232, 0.2696,
0.3186


 54.4232, 0.2696,
0.3186


403.7218, 0.2903,
0.3240

 38.9401, 0.2647,
0.3172

 96.6953, 0.2769,
0.3206

 26.7131, 0.2585,
0.3154


 124.2532, 0.2797,
0.3213

 17.3579, 0.2505,
0.3129


156.6047, 0.2821,
0.3220

 10.4900, 0.2398,
0.3095

194.1343, 0.2842,
0.3225

 5.7250, 0.2248,
0.3042

237.2265, 0.2860,
0.3230

 2.6786, 0.2021,
0.2953

286.2655, 0.2876,

 0.9663, 0.1563,

0.3233

0.2809

341.6358, 0.2890,
0.3237

0.0000, 0.0000,
0.0000

54.4232, 0.2696,
0.3186

54.4232, 0.2696,
0.3186

51.3085, 0.2566,
0.3145

57.9287, 0.2837,
0.3224

48.5583, 0.2450,
0.3102

61.8366, 0.2986,
0.3260

46.1531, 0.2350,
0.3058

66.1663, 0.3139,
0.3292

44.0691, 0.2268,
0.3013

70.9337, 0.3295,
0.3322

42.2789, 0.2205,
0.2968

75.9634, 0.3442,
0.3348

■ 40.7502, 0.2162,
0.2923

■ 77.3854, 0.3438,
0.3376

■ 39.4299, 0.2134,
0.2878

■ 78.8307, 0.3433,
0.3403

■ 39.3313, 0.2132,
0.2875

■ 80.2995, 0.3429,
0.3430

■ 81.7918, 0.3424,
0.3457

Harmonies

Analogous

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



54.4232, 0.2829, 0.3414



54.4232, 0.2696, 0.3186



54.4232, 0.2673, 0.2999

Triad

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



54.4232, 0.2696, 0.3186



54.4232, 0.3197, 0.2996



54.4232, 0.3493, 0.3690

Complementary

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



54.4232, 0.2696, 0.3186



40.6430, 0.3744, 0.3391

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.



54.4232, 0.3602, 0.3559



54.4232, 0.2696, 0.3186



54.4232, 0.3428, 0.3163

Square

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



54.4232, 0.2696, 0.3186



54.4232, 0.2955, 0.2900



54.4232, 0.3578, 0.3366



54.4232, 0.3287, 0.3715

Rectangle

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



54.4232, 0.2696, 0.3186



54.4232, 0.2723, 0.2921



54.4232, 0.3578, 0.3366



54.4232, 0.3542, 0.3656

Sweetspot

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



54.4254, 0.2696, 0.3186



94.0360, 0.2988, 0.3260



56.0001, 0.3042, 0.4034



19.9320, 0.2965, 0.3255



0.0000, 0.0000, 0.0000



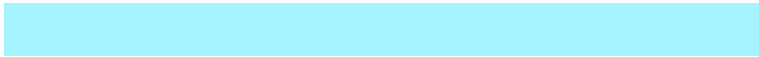
21.4041, 0.3127, 0.3290

Same Dimension

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



54.4254, 0.2696, 0.3186



79.7159, 0.2615, 0.3161



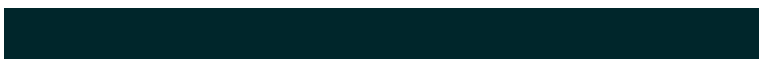
41.4194, 0.2652, 0.2777



13.8227, 0.2983, 0.3259



24.3927, 0.2134, 0.2881



1.5490, 0.2155, 0.2958

Inverse Universe

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



40.1708, 0.3233, 0.2653



54.9445, 0.3259, 0.2519



52.2561, 0.3640, 0.3754



12.6039, 0.3157, 0.3089



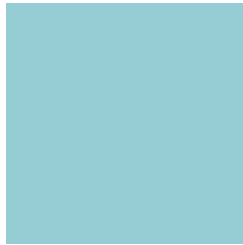
10.8073, 0.3561, 0.1735



0.6597, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 54.4232, 0.2696, 0.3186 looks on a white background.

Color Contrast Check

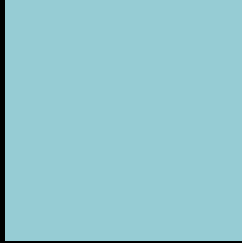
Large Text (above 18pt) WCAG AA × Fail

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 54.4232, 0.2696, 0.3186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

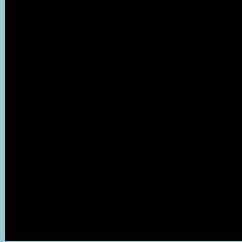
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

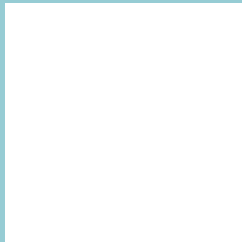
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 54.4232, 0.2696, 0.3186

Background



This preview shows how black text looks on a background with the Yxy color 54.4232, 0.2696, 0.3186.

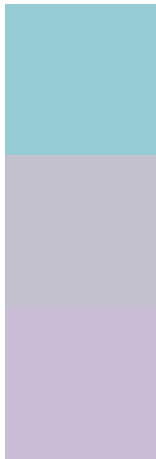


This preview shows how white text looks on a background with the Yxy color 54.4232, 0.2696, 0.3186.

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

54.4232, 0.2696, 0.3186

Protanopia

54.0170, 0.3047, 0.3145

Deuteranopia

53.9980, 0.3045, 0.2985



Tritanopia

54.5017, 0.2666, 0.3085

Trichromacy



Original Color

54.4232, 0.2696, 0.3186

Protanomaly

53.9515, 0.2905, 0.3153

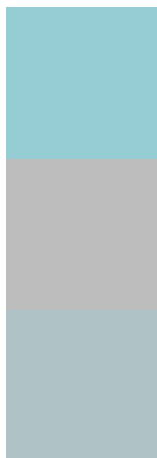
Deuteranomaly

53.6290, 0.2907, 0.3045

Tritanomaly

54.2490, 0.2677, 0.3122

Monochromacy



Original Color

54.4232, 0.2696, 0.3186

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

51.7288, 0.2957, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4232, 0.2696, 0.3186 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(150, 204, 212)` looks like.

```
.text, #text, p{  
    color:rgb(150, 204, 212)  
}
```

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(150, 204, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 204, 212) }
```

Border

The CSS property to change the border of an element to Yxy 54.4232, 0.2696, 0.3186 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(150, 204, 212) }
```

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

```
.border{ border-color:rgb(150, 204, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 204, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 204, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 204, 212);  
box-shadow:4px 4px 4px 4px rgb(150, 204,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4232, 0.2696, 0.3186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 204, 212) }
```

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

```
.background{ background-color: rgb(150,  
204, 212) }
```

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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