

Converting Colors

$Y_{xy}(56.0226, 0.2661, 0.3343)$

Have a look what the booklet for
Yxy(56.0226, 0.2661, 0.3343)
contains.

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Color

Yxy(55.8678, 0.2662, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	89D2CE
RGB	137, 210, 206
RGB Percent	54%, 82%, 81%
CMY	0.4624, 0.1765, 0.1921
CMYK	0.35, 0.00, 0.02, 0.18
HSL	177°, 45%, 68%
HSV	177°, 35%, 82%
XYZ	44.5136, 55.8678, 66.8374
YIQ	187.7170, -42.2240, -16.7200

Conversions

Conversions Part 2

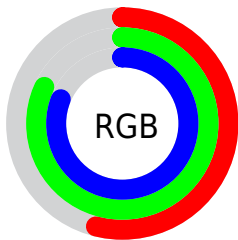
Format	Color
RYB	137, 175, 210
Decimal	9032398
CIELab	79.54, -23.52, -5.25
CIELCh	80, 24.095, 192.592
Yxy	55.8678, 0.2662, 0.3341
Android (android.graphics.Color)	4287222478 (0xFF89D2CE)
YUV	187.7170, 9.0135, -44.4788
Hunter-Lab	74.7448, -24.4991, -0.6962

Details

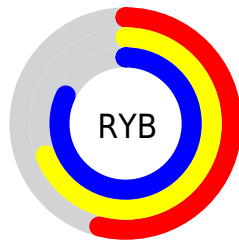
The Yxy color **55.8678, 0.2662, 0.3341** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5377, 0.3900, 0.3242**, and the grayscale version is **50.0967, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.0775, 0.2768, 0.3289**, and **27.5487, 0.2542, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **54.2080, 0.2556, 0.3358**, and if you desaturate by 10%, it is **57.8778, 0.2783, 0.3325**.

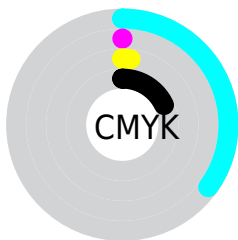
Distribution



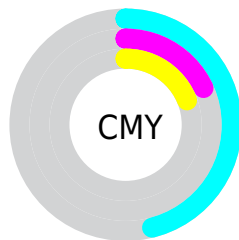
- Red (54%)
- Green (82%)
- Blue (81%)



- Red (54%)
- Yellow (69%)
- Blue (82%)



- Cyan (35%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)




- Cyan (46%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.8678, 0.2662, 0.3341 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 55.8678, 0.2662, 0.3341 by changing the saturation by 10% instead.


 55.8678, 0.2662,
0.3341

 55.8678, 0.2662,
0.3341


409.1931, 0.2885,
0.3320


 40.0969, 0.2609,
0.3345


 98.8113, 0.2741,
0.3334

 27.6141, 0.2543,
0.3350


 126.7527, 0.2771,
0.3331

 18.0350, 0.2457,
0.3356


 159.5197, 0.2797,
0.3329

 10.9751, 0.2343,
0.3361

197.4967, 0.2819,
0.3326

 6.0501, 0.2182,
0.3366

241.0682, 0.2839,
0.3324

 2.8756, 0.1941,
0.3367

290.6185, 0.2856,

 1.0671, 0.1374,

0.3323

0.3414

346.5320, 0.2871,
0.3321

0.0000, 0.0000,
0.0000

55.8678, 0.2662,
0.3341

55.8678, 0.2662,
0.3341

54.2080, 0.2556,
0.3358

57.8778, 0.2783,
0.3325

52.8718, 0.2467,
0.3376

60.2499, 0.2916,
0.3310

51.8390, 0.2396,
0.3394

63.0035, 0.3058,
0.3296


51.0848, 0.2345,
0.3412


66.1547, 0.3206,
0.3284


50.5803, 0.2312,
0.3430

69.7185, 0.3358,
0.3272


 50.2902, 0.2297,
0.3448

 72.1467, 0.3448,
0.3262

 50.1904, 0.2294,
0.3457

 72.2050, 0.3440,
0.3250

 72.2638, 0.3431,
0.3238

 72.3230, 0.3423,
0.3227

Harmonies

Analogous

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



55.8678, 0.2907, 0.3634



55.8678, 0.2662, 0.3341



55.8678, 0.2541, 0.3051

Triad

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



55.8678, 0.2662, 0.3341



55.8678, 0.3010, 0.2819



55.8678, 0.3715, 0.3711

Complementary

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



55.8678, 0.2662, 0.3341



33.5377, 0.3900, 0.3242

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.



55.8678, 0.3752, 0.3478



55.8678, 0.2662, 0.3341



55.8678, 0.3333, 0.2979

Square

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



55.8678, 0.2662, 0.3341



55.8678, 0.2733, 0.2768



55.8678, 0.3609, 0.3215



55.8678, 0.3517, 0.3845

Rectangle

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



55.8678, 0.2662, 0.3341



55.8678, 0.2541, 0.2902



55.8678, 0.3609, 0.3215



55.8678, 0.3748, 0.3641

Sweetspot

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



55.8700, 0.2662, 0.3341



95.3911, 0.2980, 0.3303



53.6419, 0.3113, 0.4313



20.2897, 0.2960, 0.3305



0.0000, 0.0000, 0.0000



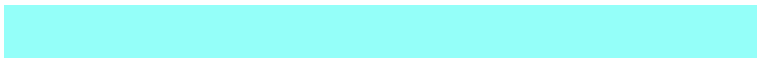
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8700, 0.2662, 0.3341



84.6560, 0.2578, 0.3354



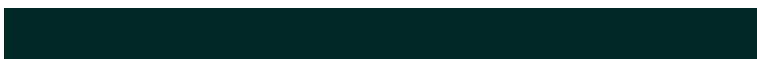
41.9752, 0.2582, 0.2855



13.3955, 0.2990, 0.3302



30.6235, 0.2293, 0.3455



1.7158, 0.2284, 0.3422

Inverse Universe

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



33.5377, 0.3900, 0.3242



44.7330, 0.4163, 0.3232



43.7625, 0.3808, 0.3685



11.8185, 0.3282, 0.3278



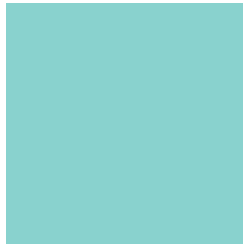
8.3779, 0.6337, 0.3264



0.4722, 0.6135, 0.3153

Previews

White Background



This preview shows how the Yxy color 55.8678, 0.2662, 0.3341 looks on a white background.

Color Contrast Check

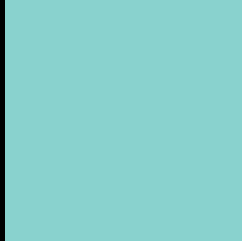
Large Text (above 18pt) WCAG AA × Fail

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 55.8678, 0.2662, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

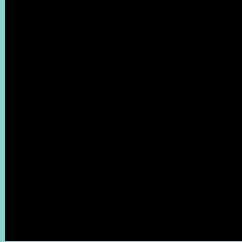
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

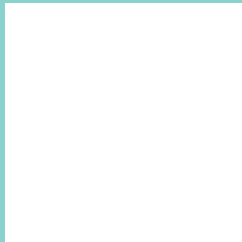
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8678, 0.2662, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 55.8678, 0.2662, 0.3341.

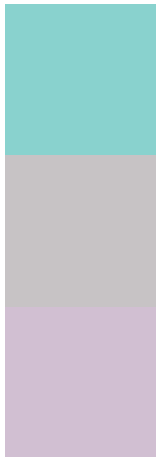


This preview shows how white text looks on a background with the Yxy color 55.8678, 0.2662, 0.3341.

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

55.8678, 0.2662, 0.3341

Protanopia

55.2035, 0.3144, 0.3266

Deuteranopia

55.4701, 0.3129, 0.3069



Tritanopia

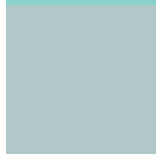
55.7582, 0.2585, 0.3072

Trichromacy



Original Color

55.8678, 0.2662, 0.3341



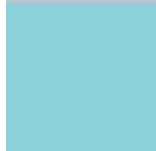
Protanomaly

54.7088, 0.2945, 0.3289



Deuteranomaly

55.0589, 0.2935, 0.3155



Tritanomaly

55.6970, 0.2614, 0.3172

Monochromacy



Original Color

55.8678, 0.2662, 0.3341



Achromatopsia

50.2886, 0.3127, 0.3290



Achromatomaly

51.8550, 0.2926, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8678, 0.2662, 0.3341 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(137, 210, 206)` looks like.

```
.text, #text, p{  
    color:rgb(137, 210, 206)  
}
```

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(137, 210, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 210, 206) }
```

Border

The CSS property to change the border of an element to Yxy 55.8678, 0.2662, 0.3341 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(137, 210, 206) }
```

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

```
.border{ border-color:rgb(137, 210, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 210, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 210, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 210, 206);  
box-shadow:4px 4px 4px 4px rgb(137, 210,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8678, 0.2662, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 210, 206) }
```

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

```
.background{ background-color: rgb(137,  
210, 206) }
```

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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