

Converting Colors

$Yxy(55.8559, 0.2710, 0.3302)$

Have a look what the booklet for
Yxy(55.8559, 0.2710, 0.3302)
contains.

Yxy(55.8198, 0.2712, 0.3302)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.8198, 0.2712, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	93D0CF
RGB	147, 208, 207
RGB Percent	58%, 82%, 81%
CMY	0.4236, 0.1843, 0.1883
CMYK	0.29, 0.00, 0.00, 0.18
HSL	179°, 39%, 70%
HSV	179°, 29%, 82%
XYZ	45.8459, 55.8198, 67.3827
YIQ	189.6470, -36.0350, -13.2430

Conversions

Conversions Part 2

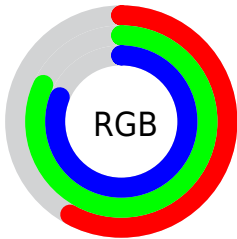
Format	Color
RYB	147, 178, 208
Decimal	9687247
CIELab	79.51, -19.56, -5.76
CIELCh	80, 20.392, 196.410
Yxy	55.8198, 0.2712, 0.3302
Android (android.graphics.Color)	4287877327 (0xFF93D0CF)
YUV	189.6470, 8.5550, -37.4014
Hunter-Lab	74.7126, -21.2141, -1.1743

Details

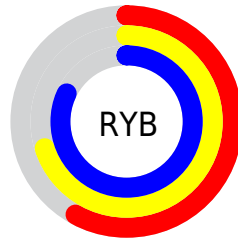
The Yxy color **55.8198, 0.2712, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.4082, 0.3764, 0.3279**, and the grayscale version is **51.2420, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.4365, 0.2822, 0.3289**, and **27.4621, 0.2605, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **54.0532, 0.2594, 0.3307**, and if you desaturate by 10%, it is **57.9386, 0.2844, 0.3298**.

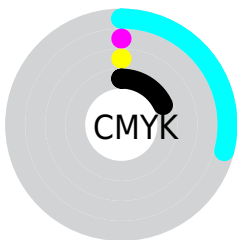
Distribution



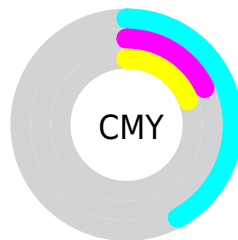
- Red (58%)
- Green (82%)
- Blue (81%)



- Red (58%)
- Yellow (70%)
- Blue (82%)



- Cyan (29%)
- Magenta (0%)
- Yellow (0%)
- Black (18%)





- Cyan (42%)
- Magenta (18%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8198, 0.2712, 0.3302 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 55.8198, 0.2712, 0.3302 by changing the saturation by 10% instead.

 55.8198, 0.2712,
0.3302

 55.8198, 0.2712,
0.3302


409.0120, 0.2911,
0.3299

 40.0585, 0.2665,
0.3302


 98.7411, 0.2783,
0.3302

 27.5841, 0.2605,
0.3301


 126.6698, 0.2810,
0.3301

 18.0124, 0.2529,
0.3300


159.4231, 0.2833,
0.3301

 10.9589, 0.2426,
0.3297

197.3853, 0.2853,
0.3300

 6.0392, 0.2281,
0.3289

240.9410, 0.2870,
0.3300

 2.8689, 0.2063,
0.3272

290.4744, 0.2885,

 1.0637, 0.1604,

0.3300

0.3260

346.3699, 0.2899,
0.3299

0.0000, 0.0000,
0.0000

55.8198, 0.2712,
0.3302

55.8198, 0.2712,
0.3302

54.0532, 0.2594,
0.3307

57.9386, 0.2844,
0.3298

52.6133, 0.2493,
0.3312

60.4201, 0.2986,
0.3293

51.4819, 0.2410,
0.3317

63.2829, 0.3137,
0.3290

50.6361, 0.2346,
0.3322


66.5421, 0.3293,
0.3286

50.0499, 0.2301,
0.3328

70.2121, 0.3452,
0.3284

 49.6927, 0.2274,
0.3333

 70.9842, 0.3480,
0.3280

 49.5123, 0.2261,
0.3338

 71.0014, 0.3478,
0.3277

 49.5024, 0.2261,
0.3339

 71.0187, 0.3475,
0.3273

 71.0360, 0.3473,
0.3270

Harmonies

Analogous

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



55.8198, 0.2911, 0.3551



55.8198, 0.2712, 0.3302



55.8198, 0.2623, 0.3063

Triad

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



55.8198, 0.2712, 0.3302



55.8198, 0.3063, 0.2900



55.8198, 0.3611, 0.3670

Complementary

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



55.8198, 0.2712, 0.3302



36.4082, 0.3764, 0.3279

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.



55.8198, 0.3660, 0.3481



55.8198, 0.2712, 0.3302



55.8198, 0.3336, 0.3048

Square

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



55.8198, 0.2712, 0.3302



55.8198, 0.2819, 0.2844



55.8198, 0.3557, 0.3256



55.8198, 0.3430, 0.3765

Rectangle

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



55.8198, 0.2712, 0.3302



55.8198, 0.2634, 0.2943



55.8198, 0.3557, 0.3256



55.8198, 0.3644, 0.3614

Sweetspot

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



55.8220, 0.2712, 0.3302



95.8795, 0.2990, 0.3293



53.6129, 0.3102, 0.4135



20.3898, 0.2968, 0.3294



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.



55.8220, 0.2712, 0.3302



86.7243, 0.2639, 0.3305



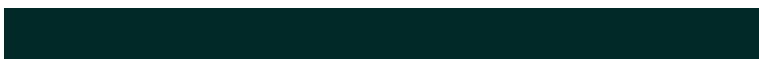
43.2067, 0.2664, 0.2904



13.4036, 0.2985, 0.3294



30.8506, 0.2261, 0.3338



1.7261, 0.2258, 0.3328

Inverse Universe

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



36.4082, 0.3764, 0.3279



51.2406, 0.3954, 0.3277



46.3553, 0.3673, 0.3646



11.8114, 0.3288, 0.3287



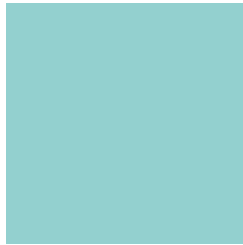
8.3640, 0.6381, 0.3289



0.4688, 0.6316, 0.3253

Previews

White Background



This preview shows how the Yxy color 55.8198, 0.2712, 0.3302 looks on a white background.

Color Contrast Check

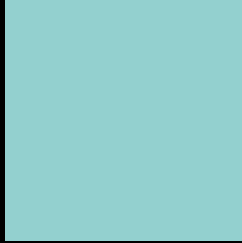
Large Text (above 18pt) WCAG AA × Fail

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 55.8198, 0.2712, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

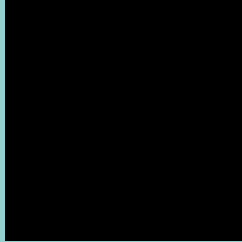
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

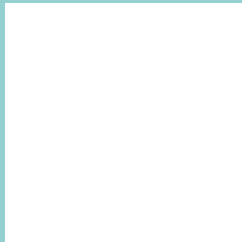
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8198, 0.2712, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 55.8198, 0.2712, 0.3302.

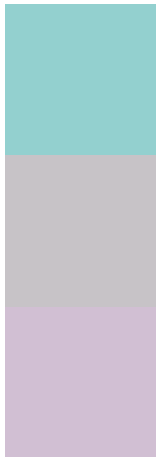


This preview shows how white text looks on a background with the Yxy color 55.8198, 0.2712, 0.3302.

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

55.8198, 0.2712, 0.3302

Protanopia

55.2958, 0.3129, 0.3242

Deuteranopia

55.5201, 0.3122, 0.3058



Tritanopia

55.9006, 0.2641, 0.3087

Trichromacy



Original Color

55.8198, 0.2712, 0.3302

Protanomaly

55.2761, 0.2961, 0.3265

Deuteranomaly

55.0248, 0.2950, 0.3131

Tritanomaly

56.0250, 0.2665, 0.3161

Monochromacy



Original Color

55.8198, 0.2712, 0.3302

Achromatopsia

51.4918, 0.3127, 0.3290

Achromatomaly

52.9167, 0.2957, 0.3302

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8198, 0.2712, 0.3302 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(147, 208, 207)` looks like.

```
.text, #text, p{  
    color:rgb(147, 208, 207)  
}
```

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(147, 208, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 208, 207) }
```

Border

The CSS property to change the border of an element to Yxy 55.8198, 0.2712, 0.3302 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(147, 208, 207) }
```

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

```
.border{ border-color:rgb(147, 208, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 208, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 208, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 208, 207);  
box-shadow:4px 4px 4px 4px rgb(147, 208,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8198, 0.2712, 0.3302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 208, 207) }
```

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

```
.background{ background-color: rgb(147,  
208, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor