

Converting Colors

$Y_{xy}(50.0215, 0.2758, 0.3427)$

Have a look what the booklet for
Yxy(50.0215, 0.2758, 0.3427)
contains.

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Color

Yxy(50.0099, 0.2758, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	8BC7BD
RGB	139, 199, 189
RGB Percent	55%, 78%, 74%
CMY	0.4552, 0.2195, 0.2588
CMYK	0.30, 0.00, 0.05, 0.22
HSL	170°, 35%, 66%
HSV	170°, 30%, 78%
XYZ	40.2472, 50.0099, 55.6719
YIQ	179.9200, -32.5500, -15.8300

Conversions

Conversions Part 2

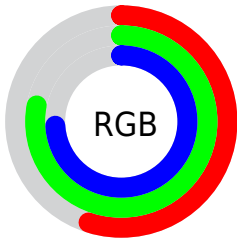
Format	Color
RYB	139, 172, 199
Decimal	9160637
CIELab	76.08, -21.41, -1.18
CIElCh	76, 21.444, 183.145
Yxy	50.0099, 0.2758, 0.3427
Android (android.graphics.Color)	4287350717 (0xFF8BC7BD)
YUV	179.9200, 4.4764, -35.8868
Hunter-Lab	70.7177, -22.1670, 2.8268

Details

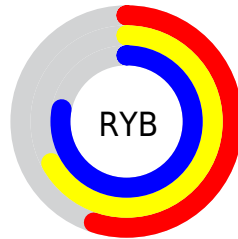
The Yxy color **50.0099, 0.2758, 0.3427** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.7594, 0.3684, 0.3159**, and the grayscale version is **45.5790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.5819, 0.2823, 0.3396**, and **24.0068, 0.2653, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **48.3103, 0.2656, 0.3480**, and if you desaturate by 10%, it is **52.0286, 0.2872, 0.3378**.

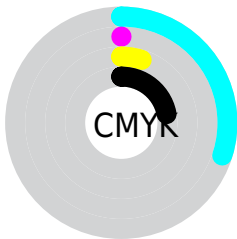
Distribution



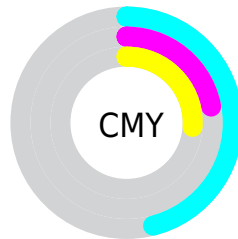
- Red (55%)
- Green (78%)
- Blue (74%)



- Red (55%)
- Yellow (67%)
- Blue (78%)



- Cyan (30%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)





- Cyan (46%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 50.0099, 0.2758, 0.3427 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 50.0099, 0.2758, 0.3427 by changing the saturation by 10% instead.


 50.0099, 0.2758,
0.3427


 50.0099, 0.2758,
0.3427


386.7047, 0.2940,
0.3360

 35.4213, 0.2714,
0.3443


 90.1895, 0.2823,
0.3403

 23.9876, 0.2657,
0.3464


 116.5493, 0.2848,
0.3394

 15.3244, 0.2583,
0.3490


 147.6017, 0.2869,
0.3386

 9.0474, 0.2481,
0.3526

183.7309, 0.2887,
0.3380

 4.7721, 0.2333,
0.3578

225.3214, 0.2903,
0.3374

 2.1142, 0.2099,
0.3658

272.7576, 0.2917,

 0.6726, 0.0727,

0.3369

0.4194

326.4239, 0.2929,
0.3364

0.0000, 0.0000,
0.0000

50.0099, 0.2758,
0.3427

50.0099, 0.2758,
0.3427

48.3103, 0.2656,
0.3480

52.0286, 0.2872,
0.3378

46.9068, 0.2568,
0.3535

54.3761, 0.2995,
0.3332

45.7829, 0.2497,
0.3593


57.0690, 0.3125,
0.3291


44.9179, 0.2444,
0.3652


60.1210, 0.3257,
0.3253


44.2882, 0.2411,
0.3712

63.5452, 0.3391,
0.3220

 43.8659, 0.2397,
0.3771

 66.7138, 0.3498,
0.3190

 43.6012, 0.2397,
0.3829

 66.8799, 0.3472,
0.3156

 67.0494, 0.3446,
0.3122

 67.2224, 0.3420,
0.3089

Harmonies

Analogous

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



50.0099, 0.3012, 0.3675



50.0099, 0.2758, 0.3427



50.0099, 0.2605, 0.3149

Triad

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



50.0099, 0.2758, 0.3427



50.0099, 0.2931, 0.2826



50.0099, 0.3699, 0.3620

Complementary

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



50.0099, 0.2758, 0.3427



32.7594, 0.3684, 0.3159

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.



50.0099, 0.3679, 0.3389



50.0099, 0.2758, 0.3427



50.0099, 0.3224, 0.2945

Square

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



50.0099, 0.2758, 0.3427



50.0099, 0.2701, 0.2817



50.0099, 0.3502, 0.3147



50.0099, 0.3559, 0.3778

Rectangle

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



50.0099, 0.2758, 0.3427



50.0099, 0.2576, 0.2992



50.0099, 0.3502, 0.3147



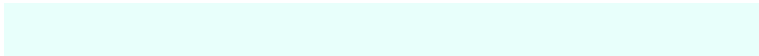
50.0099, 0.3711, 0.3548

Sweetspot

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



50.0119, 0.2758, 0.3427



95.6600, 0.3009, 0.3328



49.1961, 0.3170, 0.4142



20.3353, 0.2990, 0.3334



0.0000, 0.0000, 0.0000



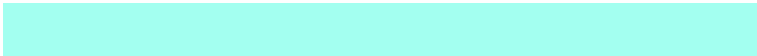
21.4041, 0.3127, 0.3290

Same Dimension

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



50.0119, 0.2758, 0.3427



85.6003, 0.2692, 0.3460



42.2466, 0.2667, 0.3023



12.0360, 0.3006, 0.3329



28.0424, 0.2395, 0.3821



1.3361, 0.2361, 0.3698

Inverse Universe

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



32.7594, 0.3684, 0.3159



50.7605, 0.3853, 0.3131



38.4470, 0.3724, 0.3541



10.6653, 0.3264, 0.3252



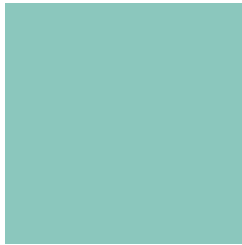
7.8878, 0.6139, 0.3155



0.3827, 0.5604, 0.2861

Previews

White Background



This preview shows how the Yxy color 50.0099, 0.2758, 0.3427 looks on a white background.

Color Contrast Check

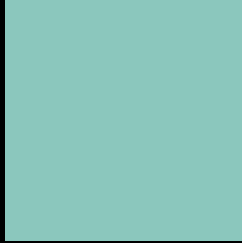
Large Text (above 18pt) WCAG AA × Fail

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 50.0099, 0.2758, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

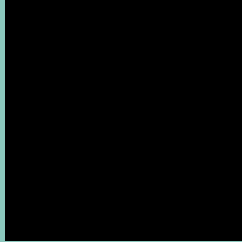
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

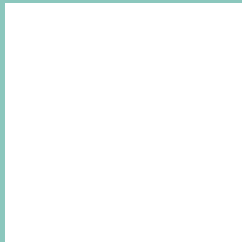
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 50.0099, 0.2758, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 50.0099, 0.2758, 0.3427.



This preview shows how white text looks on a background with the Yxy color 50.0099, 0.2758, 0.3427.

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

50.0099, 0.2758, 0.3427

Protanopia

49.5716, 0.3200, 0.3341

Deuteranopia

49.4546, 0.3211, 0.3144



Tritanopia

50.1123, 0.2652, 0.3091

Trichromacy



Original Color

50.0099, 0.2758, 0.3427

Protanomaly

49.5350, 0.3019, 0.3368

Deuteranomaly

49.3559, 0.3024, 0.3238

Tritanomaly

49.9951, 0.2689, 0.3208

Monochromacy



Original Color

50.0099, 0.2758, 0.3427

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

46.9589, 0.2979, 0.3343

CSS Examples

Text

The CSS property to change the color of the text to Yxy 50.0099, 0.2758, 0.3427 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(139, 199, 189)` looks like.

```
.text, #text, p{  
    color:rgb(139, 199, 189)  
}
```

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(139, 199, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 199, 189) }
```

Border

The CSS property to change the border of an element to Yxy 50.0099, 0.2758, 0.3427 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(139, 199, 189) }
```

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

```
.border{ border-color:rgb(139, 199, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 199, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 199, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 199, 189);  
box-shadow:4px 4px 4px 4px rgb(139, 199,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 50.0099, 0.2758, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 199, 189) }
```

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

```
.background{ background-color: rgb(139,  
199, 189) }
```

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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