

Converting Colors

$Yxy(56.7456, 0.2772, 0.3355)$

Have a look what the booklet for
Yxy(56.7456, 0.2772, 0.3355)
contains.

Yxy(56.7329, 0.2768, 0.3353)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(56.7329, 0.2768, 0.3353)

Conversions

Conversions Part 1

Format	Color
Hex	99D1CC
RGB	153, 209, 204
RGB Percent	60%, 82%, 80%
CMY	0.4001, 0.1804, 0.1998
CMYK	0.27, 0.00, 0.02, 0.18
HSL	175°, 38%, 71%
HSV	175°, 27%, 82%
XYZ	46.8347, 56.7329, 65.6328
YIQ	191.6860, -31.7710, -13.4270

Conversions

Conversions Part 2

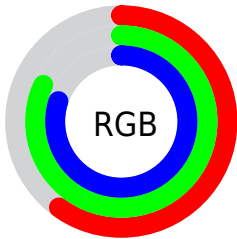
Format	Color
RYB	153, 182, 209
Decimal	10080716
CIELab	80.03, -19.00, -3.38
CIELCh	80, 19.293, 190.088
Yxy	56.7329, 0.2768, 0.3353
Android (android.graphics.Color)	4288270796 (0xFF99D1CC)
YUV	191.6860, 6.0708, -33.9276
Hunter-Lab	75.3212, -20.8211, 1.0612

Details

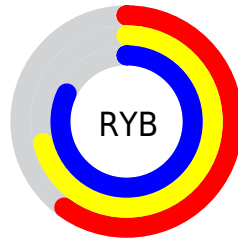
The Yxy color **56.7329, 0.2768, 0.3353** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7934, 0.3650, 0.3229**, and the grayscale version is **52.4958, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.2953, 0.2855, 0.3289**, and **28.0225, 0.2675, 0.3359** is the 20% darker color. If you saturate the color by 10%, you get **54.7886, 0.2653, 0.3380**, and if you desaturate by 10%, it is **59.0390, 0.2895, 0.3328**.

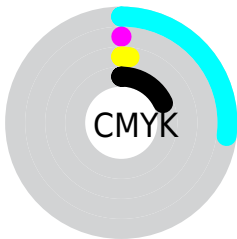
Distribution



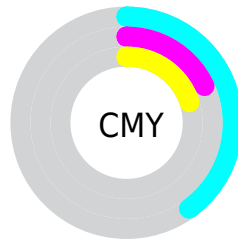
- Red (60%)
- Green (82%)
- Blue (80%)



- Red (60%)
- Yellow (71%)
- Blue (82%)



- Cyan (27%)
- Magenta (0%)
- Yellow (2%)
- Black (18%)





- Cyan (40%)
- Magenta (18%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 56.7329, 0.2768, 0.3353 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 56.7329, 0.2768, 0.3353 by changing the saturation by 10% instead.


 56.7329, 0.2768,
0.3353

 56.7329, 0.2768,
0.3353


412.4477, 0.2940,
0.3324

 40.7908, 0.2727,
0.3359


 100.0753, 0.2829,
0.3343

 28.1557, 0.2676,
0.3367


 128.2445, 0.2852,
0.3339

 18.4430, 0.2609,
0.3377


161.2582, 0.2872,
0.3336

 11.2685, 0.2519,
0.3389

199.5007, 0.2890,
0.3333

 6.2478, 0.2393,
0.3405

243.3566, 0.2905,
0.3330

 2.9963, 0.2202,
0.3426

293.2101, 0.2918,

 1.1298, 0.1820,

0.3328

349.4457, 0.2930,
0.3326

0.3475

0.0032, 0.0000,
0.0133

0.0000, 0.0000,
0.0000

56.7329, 0.2768,
0.3353

56.7329, 0.2768,
0.3353

54.7886, 0.2653,
0.3380

59.0390, 0.2895,
0.3328

53.1807, 0.2553,
0.3408

61.7173, 0.3031,
0.3305

51.8911, 0.2471,
0.3438

64.7862, 0.3173,
0.3284

50.8975, 0.2406,
0.3468

68.2608, 0.3319,
0.3264

■ 50.1745, 0.2361,
0.3498

■ 71.6844, 0.3447,
0.3247

■ 49.6924, 0.2335,
0.3528

■ 71.7793, 0.3433,
0.3228

■ 49.4125, 0.2326,
0.3558

■ 71.8752, 0.3419,
0.3210

■ 49.3436, 0.2324,
0.3568

■ 71.9721, 0.3405,
0.3191

■ 72.0702, 0.3392,
0.3172

Harmonies

Analogous

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



56.7329, 0.2973, 0.3578



56.7329, 0.2768, 0.3353



56.7329, 0.2659, 0.3120

Triad

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



56.7329, 0.2768, 0.3353



56.7329, 0.3015, 0.2902



56.7329, 0.3604, 0.3616

Complementary

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



56.7329, 0.2768, 0.3353



38.7934, 0.3650, 0.3229

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.



56.7329, 0.3619, 0.3428



56.7329, 0.2768, 0.3353



56.7329, 0.3271, 0.3026

Square

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



56.7329, 0.2768, 0.3353



56.7329, 0.2797, 0.2872



56.7329, 0.3495, 0.3214



56.7329, 0.3457, 0.3727

Rectangle

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



56.7329, 0.2768, 0.3353



56.7329, 0.2653, 0.2995



56.7329, 0.3495, 0.3214



56.7329, 0.3625, 0.3559

Sweetspot

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



56.7352, 0.2768, 0.3353



96.2182, 0.3013, 0.3308



55.2305, 0.3132, 0.4046



20.4521, 0.2992, 0.3311



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.



56.7352, 0.2768, 0.3353



87.2127, 0.2703, 0.3368



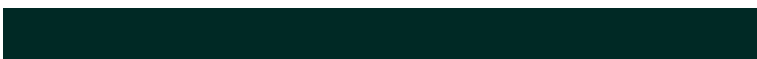
46.7397, 0.2710, 0.2993



13.3883, 0.2995, 0.3310



30.4287, 0.2323, 0.3563



1.7068, 0.2308, 0.3508

Inverse Universe

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



38.7934, 0.3650, 0.3229



54.6220, 0.3801, 0.3216



46.6639, 0.3629, 0.3569



11.8250, 0.3277, 0.3270



8.3921, 0.6293, 0.3240



0.4752, 0.5983, 0.3069

Previews

White Background



This preview shows how the Yxy color 56.7329, 0.2768, 0.3353 looks on a white background.

Color Contrast Check

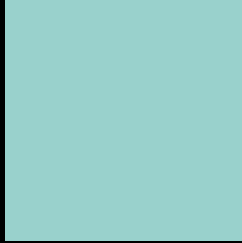
Large Text (above 18pt) WCAG AA × Fail

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 56.7329, 0.2768, 0.3353 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

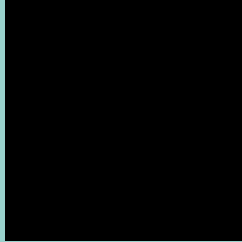
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

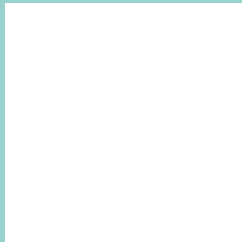
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 56.7329, 0.2768, 0.3353

Background



This preview shows how black text looks on a background with the Yxy color 56.7329, 0.2768, 0.3353.

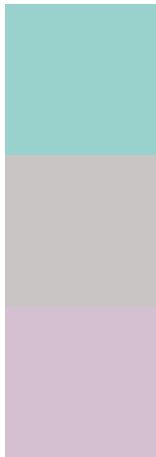


This preview shows how white text looks on a background with the Yxy color 56.7329, 0.2768, 0.3353.

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

56.7329, 0.2768, 0.3353

Protanopia

56.3812, 0.3159, 0.3290

Deuteranopia

56.2504, 0.3168, 0.3105



Tritanopia

56.6384, 0.2678, 0.3077

Trichromacy



Original Color

56.7329, 0.2768, 0.3353

Protanomaly

56.1338, 0.3005, 0.3302

Deuteranomaly

55.9695, 0.3009, 0.3181

Tritanomaly

56.6514, 0.2714, 0.3175

Monochromacy



Original Color

56.7329, 0.2768, 0.3353

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.8387, 0.2987, 0.3315

CSS Examples

Text

The CSS property to change the color of the text to Yxy 56.7329, 0.2768, 0.3353 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(153, 209, 204)` looks like.

```
.text, #text, p{  
    color:rgb(153, 209, 204)  
}
```

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(153, 209, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 209, 204) }
```

Border

The CSS property to change the border of an element to Yxy 56.7329, 0.2768, 0.3353 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(153, 209, 204) }
```

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

```
.border{ border-color:rgb(153, 209, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 209, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 209, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 209, 204);  
box-shadow:4px 4px 4px 4px rgb(153, 209,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 56.7329, 0.2768, 0.3353 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 209, 204) }
```

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

```
.background{ background-color: rgb(153,  
209, 204) }
```

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