

Converting Colors

Yxy(51.4569, 0.2684, 0.3312)

Have a look what the booklet for
Yxy(51.4569, 0.2684, 0.3312)
contains.

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Color

Yxy(51.2618, 0.2682, 0.3302)

Conversions

Conversions Part 1

Format	Color
Hex	89C9C8
RGB	137, 201, 200
RGB Percent	54%, 79%, 78%
CMY	0.4625, 0.2118, 0.2157
CMYK	0.32, 0.00, 0.00, 0.21
HSL	179°, 37%, 66%
HSV	179°, 32%, 79%
XYZ	41.6366, 51.2618, 62.3463
YIQ	181.7500, -37.8230, -13.8790

Conversions

Conversions Part 2

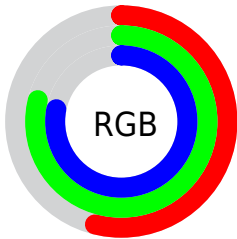
Format	Color
RYB	137, 169, 201
Decimal	9030088
CIELab	76.84, -20.42, -6.01
CIELCh	77, 21.291, 196.408
Yxy	51.2618, 0.2682, 0.3302
Android (android.graphics.Color)	4287220168 (0xFF89C9C8)
YUV	181.7500, 8.9972, -39.2458
Hunter-Lab	71.5973, -21.4907, -1.5110

Details

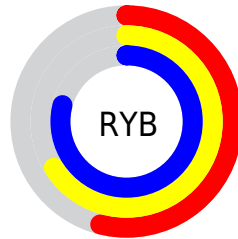
The Yxy color **51.2618, 0.2682, 0.3302** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.1630, 0.3837, 0.3279**, and the grayscale version is **46.6100, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.9465, 0.2762, 0.3289**, and **24.8276, 0.2568, 0.3307** is the 20% darker color. If you saturate the color by 10%, you get **49.7050, 0.2568, 0.3306**, and if you desaturate by 10%, it is **53.1391, 0.2810, 0.3298**.

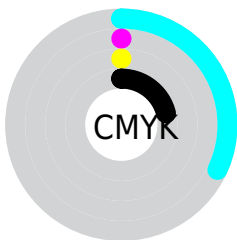
Distribution



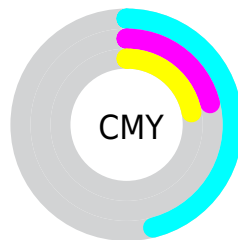
- Red (54%)
- Green (79%)
- Blue (78%)



- Red (54%)
- Yellow (66%)
- Blue (79%)



- Cyan (32%)
- Magenta (0%)
- Yellow (0%)
- Black (21%)





- Cyan (46%)
- Magenta (21%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.2618, 0.2682, 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 51.2618, 0.2682, 0.3302 by changing the saturation by 10% instead.


 51.2618, 0.2682,
0.3302

 51.2618, 0.2682,
0.3302

391.5801, 0.2898,
0.3299


 36.4170, 0.2630,
0.3302


 92.0416, 0.2759,
0.3302

 24.7564, 0.2564,
0.3301


 118.7455, 0.2789,
0.3302

 15.8957, 0.2478,
0.3299

 150.1711, 0.2814,
0.3301

 9.4504, 0.2362,
0.3294

186.7029, 0.2835,
0.3301

 5.0361, 0.2195,
0.3283

228.7253, 0.2854,
0.3300

 2.2685, 0.1940,
0.3258

276.6227, 0.2871,

 0.7569, 0.0981,

0.3300

330.7795, 0.2885,
0.3300

0.3363

0.0000, 0.0000,
0.0000

51.2618, 0.2682,
0.3302

51.2618, 0.2682,
0.3302

49.7050, 0.2568,
0.3306

53.1391, 0.2810,
0.3298

48.4451, 0.2471,
0.3311

55.3472, 0.2951,
0.3294

47.4647, 0.2392,
0.3316

57.9030, 0.3100,
0.3291

46.7423, 0.2333,
0.3321

60.8209, 0.3254,
0.3287


46.2532, 0.2292,
0.3326

64.1142, 0.3412,
0.3285


 45.9678, 0.2269,
0.3331

 67.2874, 0.3550,
0.3282

 45.8417, 0.2260,
0.3334

 67.3021, 0.3547,
0.3279

 67.3168, 0.3545,
0.3276

 67.3316, 0.3542,
0.3273

Harmonies

Analogous

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



51.2618, 0.2894, 0.3571



51.2618, 0.2682, 0.3302



51.2618, 0.2587, 0.3045

Triad

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



51.2618, 0.2682, 0.3302



51.2618, 0.3058, 0.2872



51.2618, 0.3647, 0.3696

Complementary

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



51.2618, 0.2682, 0.3302



32.1630, 0.3837, 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.



51.2618, 0.3700, 0.3494



51.2618, 0.2682, 0.3302



51.2618, 0.3351, 0.3030

Square

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



51.2618, 0.2682, 0.3302



51.2618, 0.2796, 0.2813



51.2618, 0.3590, 0.3253



51.2618, 0.3452, 0.3801

Rectangle

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



51.2618, 0.2682, 0.3302



51.2618, 0.2599, 0.2917



51.2618, 0.3590, 0.3253



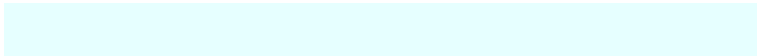
51.2618, 0.3682, 0.3637

Sweetspot

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



51.2639, 0.2682, 0.3302



95.4551, 0.2975, 0.3293



48.9920, 0.3091, 0.4218



20.3053, 0.2954, 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.



51.2639, 0.2682, 0.3302



85.9233, 0.2604, 0.3305



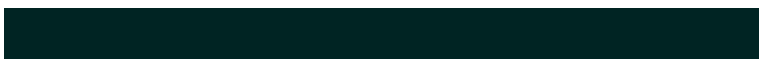
38.3255, 0.2624, 0.2852



12.0646, 0.2986, 0.3293



28.8275, 0.2259, 0.3334



1.3659, 0.2257, 0.3323

Inverse Universe

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



32.1630, 0.3837, 0.3279



48.2718, 0.4059, 0.3277



42.2163, 0.3723, 0.3690



10.6395, 0.3287, 0.3287



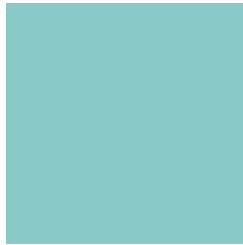
7.8132, 0.6382, 0.3289



0.3709, 0.6314, 0.3252

Previews

White Background



This preview shows how the Yxy color 51.2618, 0.2682, 0.3302 looks on a white background.

Color Contrast Check

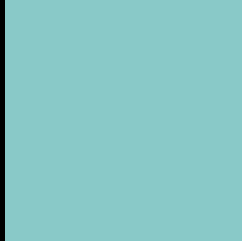
Large Text (above 18pt) WCAG AA × Fail

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 51.2618, 0.2682, 0.3302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

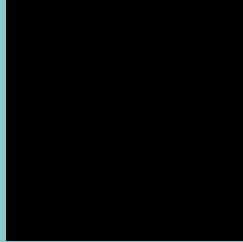
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

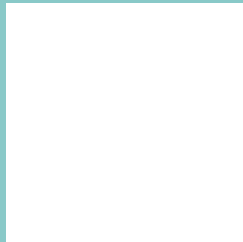
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2618, 0.2682, 0.3302

Background



This preview shows how black text looks on a background with the Yxy color 51.2618, 0.2682, 0.3302.



This preview shows how white text looks on a background with the Yxy color 51.2618, 0.2682, 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

51.2618, 0.2682, 0.3302

Protanopia

50.8486, 0.3121, 0.3240

Deuteranopia

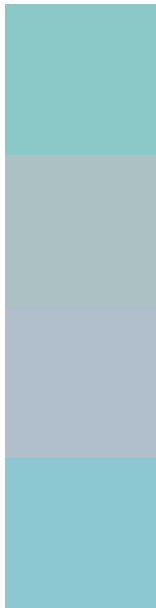
50.9200, 0.3105, 0.3049



Tritanopia

51.4159, 0.2615, 0.3079

Trichromacy



Original Color

51.2618, 0.2682, 0.3302

Protanomaly

50.7380, 0.2940, 0.3264

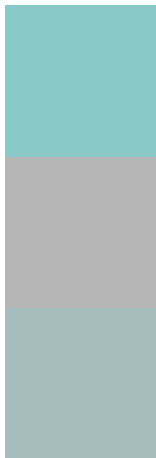
Deuteranomaly

50.4858, 0.2929, 0.3125

Tritanomaly

51.5371, 0.2640, 0.3156

Monochromacy



Original Color

51.2618, 0.2682, 0.3302

Achromatopsia

46.7784, 0.3127, 0.3290

Achromatomaly

48.1763, 0.2943, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2618, 0.2682, 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(137, 201, 200)` looks like.

```
.text, #text, p{  
    color:rgb(137, 201, 200)  
}
```

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, 201, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 201, 200) }
```

Border

The CSS property to change the border of an element to Yxy 51.2618, 0.2682, 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(137, 201, 200) }
```

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

```
.border{ border-color:rgb(137, 201, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 201, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 201, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 201, 200);  
box-shadow:4px 4px 4px 4px rgb(137, 201,  
200) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2618, 0.2682, 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(137, 201, 200) }
```

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

```
.background{ background-color: rgb(137,  
201, 200) }
```

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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