

Converting Colors

$Yxy(51.8589, 0.2942, 0.3566)$

Have a look what the booklet for
Yxy(51.8589, 0.2942, 0.3566)
contains.

Yxy(51.7719, 0.2942, 0.3559)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(51.7719, 0.2942, 0.3559)

Conversions

Conversions Part 1

Format	Color
Hex	9DC8B4
RGB	157, 200, 180
RGB Percent	62%, 78%, 71%
CMY	0.3842, 0.2157, 0.2942
CMYK	0.21, 0.00, 0.10, 0.22
HSL	152°, 28%, 70%
HSV	152°, 21%, 78%
XYZ	42.7966, 51.7719, 50.8991
YIQ	184.8630, -19.2080, -15.3360

Conversions

Conversions Part 2

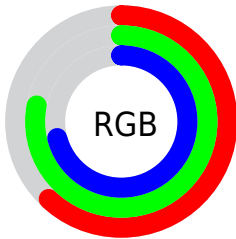
Format	Color
RYB	157, 185, 200
Decimal	10340532
CIELab	77.14, -18.25, 5.37
CIELCh	77, 19.028, 163.595
Yxy	51.7719, 0.2942, 0.3559
Android (android.graphics.Color)	4288530612 (0xFF9DC8B4)
YUV	184.8630, -2.3975, -24.4359
Hunter-Lab	71.9527, -19.7477, 8.4253

Details

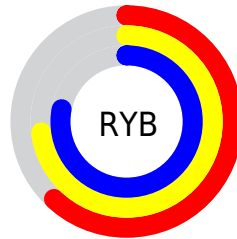
The Yxy color **51.7719, 0.2942, 0.3559** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.5761, 0.3362, 0.3036**, and the grayscale version is **48.4587, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.5732, 0.2973, 0.3488**, and **25.0933, 0.2893, 0.3642** is the 20% darker color. If you saturate the color by 10%, you get **49.5568, 0.2863, 0.3705**, and if you desaturate by 10%, it is **54.3462, 0.3027, 0.3426**.

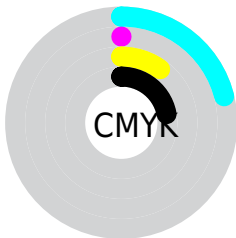
Distribution



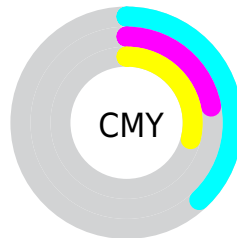
- Red (62%)
- Green (78%)
- Blue (71%)



- Red (62%)
- Yellow (73%)
- Blue (78%)



- Cyan (21%)
- Magenta (0%)
- Yellow (10%)
- Black (22%)




- Cyan (38%)
- Magenta (22%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.7719, 0.2942, 0.3559 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 51.7719, 0.2942, 0.3559 by changing the saturation by 10% instead.


 51.7719, 0.2942,
0.3559

 51.7719, 0.2942,
0.3559

393.5554, 0.3034,
0.3424

 36.8233, 0.2919,
0.3593


 92.7948, 0.2975,
0.3510

 25.0707, 0.2890,
0.3636


 119.6378, 0.2988,
0.3492

 16.1297, 0.2851,
0.3694


151.2144, 0.2999,
0.3476

 9.6160, 0.2797,
0.3775

187.9091, 0.3008,
0.3463

 5.1451, 0.2716,
0.3896

230.1061, 0.3016,
0.3451

 2.3327, 0.2585,
0.4098

278.1899, 0.3023,

 0.7909, 0.1935,

0.3441

0.4998

332.5448, 0.3029,
0.3432

0.0000, 0.0000,
0.0000

51.7719, 0.2942,
0.3559

51.7719, 0.2942,
0.3559

49.5568, 0.2863,
0.3705

54.3462, 0.3027,
0.3426

47.6779, 0.2792,
0.3864

57.2885, 0.3114,
0.3307

46.1196, 0.2734,
0.4034

60.6156, 0.3202,
0.3200

44.8621, 0.2690,
0.4212

64.3411, 0.3290,
0.3106

43.8839, 0.2664,
0.4394

68.0931, 0.3360,
0.3022

■ 43.1600, 0.2657,
0.4576

■ 68.6207, 0.3290,
0.2931

■ 42.6607, 0.2671,
0.4754

■ 69.1765, 0.3222,
0.2842

■ 42.3672, 0.2694,
0.4900

■ 69.7611, 0.3156,
0.2756

■ 69.7903, 0.3152,
0.2752

Harmonies

Analogous

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



51.7719, 0.3196, 0.3714



51.7719, 0.2942, 0.3559



51.7719, 0.2743, 0.3325

Triad

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



51.7719, 0.2942, 0.3559



51.7719, 0.2813, 0.2863



51.7719, 0.3633, 0.3454

Complementary

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



51.7719, 0.2942, 0.3559



39.5761, 0.3362, 0.3036

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.



51.7719, 0.3523, 0.3238



51.7719, 0.2942, 0.3559



51.7719, 0.3042, 0.2906

Square

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



51.7719, 0.2942, 0.3559



51.7719, 0.2672, 0.2927



51.7719, 0.3303, 0.3041



51.7719, 0.3600, 0.3640

Rectangle

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



51.7719, 0.2942, 0.3559



51.7719, 0.2666, 0.3165



51.7719, 0.3303, 0.3041



51.7719, 0.3611, 0.3383

Sweetspot

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



51.7741, 0.2942, 0.3559



96.7620, 0.3074, 0.3360



53.1014, 0.3258, 0.3854



20.6387, 0.3068, 0.3368



0.0000, 0.0000, 0.0000



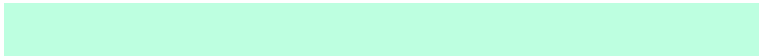
21.4041, 0.3127, 0.3290

Same Dimension

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



51.7741, 0.2942, 0.3559



87.6876, 0.2903, 0.3629



51.9898, 0.2809, 0.3270



11.9810, 0.3045, 0.3400



26.9557, 0.2688, 0.4876



1.2909, 0.2587, 0.4514

Inverse Universe

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



39.5761, 0.3362, 0.3036



62.6725, 0.3430, 0.2975



39.3223, 0.3553, 0.3310



10.7178, 0.3218, 0.3183



8.3304, 0.5082, 0.2573



0.4090, 0.4591, 0.2303

Previews

White Background



This preview shows how the Yxy color 51.7719, 0.2942, 0.3559 looks on a white background.

Color Contrast Check

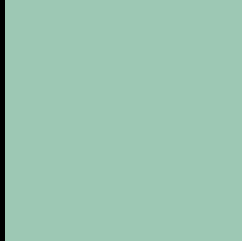
Large Text (above 18pt) WCAG AA × Fail

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 51.7719, 0.2942, 0.3559 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

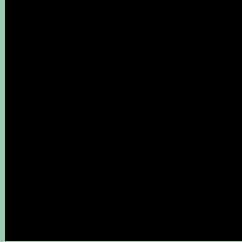
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

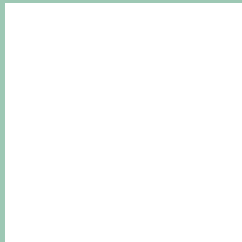
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.7719, 0.2942, 0.3559

Background



This preview shows how black text looks on a background with the Yxy color 51.7719, 0.2942, 0.3559.

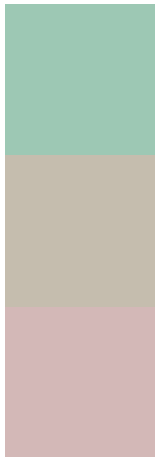


This preview shows how white text looks on a background with the Yxy color 51.7719, 0.2942, 0.3559.

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

51.7719, 0.2942, 0.3559

Protanopia

51.3215, 0.3311, 0.3478

Deuteranopia

51.5488, 0.3367, 0.3303



Tritanopia

51.5199, 0.2777, 0.3085

Trichromacy



Original Color

51.7719, 0.2942, 0.3559

Protanomaly

51.2196, 0.3165, 0.3510

Deuteranomaly

51.2807, 0.3197, 0.3391

Tritanomaly

51.6797, 0.2836, 0.3250

Monochromacy



Original Color

51.7719, 0.2942, 0.3559

Achromatopsia

48.5150, 0.3127, 0.3290

Achromatomaly

49.3598, 0.3058, 0.3381

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7719, 0.2942, 0.3559 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(157, 200, 180)` looks like.

```
.text, #text, p{  
    color:rgb(157, 200, 180)  
}
```

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(157, 200, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 200, 180) }
```

Border

The CSS property to change the border of an element to Yxy 51.7719, 0.2942, 0.3559 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(157, 200, 180) }
```

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

```
.border{ border-color:rgb(157, 200, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 200, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(157, 200, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(157, 200, 180); box-shadow:4px 4px 4px 4px rgb(157, 200, 180) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7719, 0.2942, 0.3559 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 200, 180) }
```

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

```
.background{ background-color: rgb(157,  
200, 180) }
```

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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