

Converting Colors

$Yxy(59.6395, 0.2797, 0.3423)$

Have a look what the booklet for
Yxy(59.6395, 0.2797, 0.3423)
contains.

Yxy(59.5207, 0.2793, 0.3416)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(59.5207, 0.2793, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	9CD6CC
RGB	156, 214, 204
RGB Percent	61%, 84%, 80%
CMY	0.3880, 0.1608, 0.2000
CMYK	0.27, 0.00, 0.05, 0.16
HSL	170°, 41%, 73%
HSV	170°, 27%, 84%
XYZ	48.6655, 59.5207, 66.0547
YIQ	195.5180, -31.3580, -15.4060

Conversions

Conversions Part 2

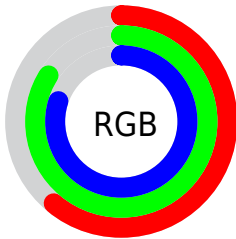
Format	Color
R _{YB}	156, 188, 214
Decimal	10278604
CIE Lab	81.58, -20.59, -1.07
CIE LCh	82, 20.614, 182.981
Yxy	59.5207, 0.2793, 0.3416
Android (android.graphics.Color)	4288468684 (0xFF9CD6CC)
YUV	195.5180, 4.1816, -34.6573
Hunter-Lab	77.1497, -22.4153, 3.2413

Details

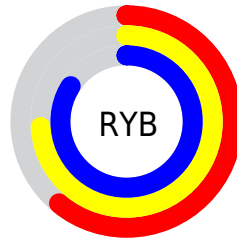
The Yxy color **59.5207, 0.2793, 0.3416** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **40.8482, 0.3609, 0.3169**, and the grayscale version is **54.8957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.7370, 0.2872, 0.3289**, and **29.8818, 0.2708, 0.3444** is the 20% darker color. If you saturate the color by 10%, you get **57.3971, 0.2687, 0.3470**, and if you desaturate by 10%, it is **62.0295, 0.2910, 0.3366**.

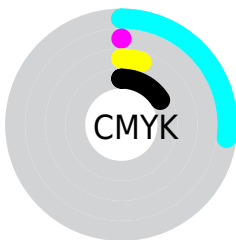
Distribution



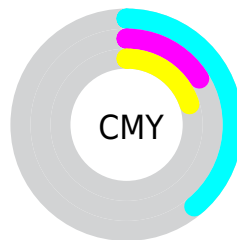
- Red (61%)
- Green (84%)
- Blue (80%)



- Red (61%)
- Yellow (74%)
- Blue (84%)



- Cyan (27%)
- Magenta (0%)
- Yellow (5%)
- Black (16%)





- Cyan (39%)
- Magenta (16%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.5207, 0.2793, 0.3416 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 59.5207, 0.2793, 0.3416 by changing the saturation by 10% instead.


 59.5207, 0.2793,
0.3416

 59.5207, 0.2793,
0.3416

422.8288, 0.2953,
0.3356

 43.0324, 0.2755,
0.3430


 104.1341, 0.2849,
0.3395

 29.9106, 0.2708,
0.3447


 133.0279, 0.2871,
0.3387

 19.7707, 0.2647,
0.3470

166.8258, 0.2890,
0.3380

 12.2285, 0.2565,
0.3500

205.9121, 0.2906,
0.3374

 6.8995, 0.2450,
0.3541

250.6711, 0.2920,
0.3369

 3.3993, 0.2277,
0.3602

301.4873, 0.2932,

 1.3436, 0.1975,

0.3364

358.7451, 0.2943,
0.3360

0.3708

0.1746, 0.0000,
0.3971

0.0000, 0.0000,
0.0000

59.5207, 0.2793,
0.3416

59.5207, 0.2793,
0.3416

57.3971, 0.2687,
0.3470

62.0295, 0.2910,
0.3366

55.6315, 0.2594,
0.3527

64.9345, 0.3035,
0.3320

54.2050, 0.2518,
0.3586

68.2553, 0.3166,
0.3278

53.0936, 0.2461,
0.3647

72.0079, 0.3299,
0.3241

■ 52.2703, 0.2422,
0.3710

■ 74.6467, 0.3372,
0.3206

■ 51.7035, 0.2403,
0.3772

■ 74.8472, 0.3346,
0.3169

■ 51.3514, 0.2402,
0.3833

■ 75.0520, 0.3320,
0.3132

■ 51.2676, 0.2403,
0.3851

■ 75.2612, 0.3293,
0.3096

■ 75.4748, 0.3268,
0.3060

Harmonies

Analogous

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



59.5207, 0.3025, 0.3639



59.5207, 0.2793, 0.3416



59.5207, 0.2652, 0.3165

Triad

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



59.5207, 0.2793, 0.3416



59.5207, 0.2948, 0.2866



59.5207, 0.3646, 0.3590

Complementary

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



59.5207, 0.2793, 0.3416



40.8482, 0.3609, 0.3169

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.



59.5207, 0.3626, 0.3381



59.5207, 0.2793, 0.3416



59.5207, 0.3214, 0.2975

Square

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



59.5207, 0.2793, 0.3416



59.5207, 0.2739, 0.2859



59.5207, 0.3466, 0.3159



59.5207, 0.3520, 0.3732

Rectangle

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



59.5207, 0.2793, 0.3416



59.5207, 0.2625, 0.3022



59.5207, 0.3466, 0.3159



59.5207, 0.3656, 0.3525

Sweetspot

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



59.5231, 0.2793, 0.3416



96.1098, 0.3022, 0.3324



58.6724, 0.3167, 0.4047



20.4246, 0.3003, 0.3331



0.0000, 0.0000, 0.0000



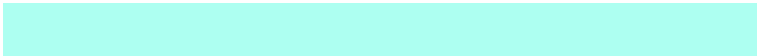
21.4041, 0.3127, 0.3290

Same Dimension

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



59.5231, 0.2793, 0.3416



86.7970, 0.2736, 0.3444



51.2501, 0.2712, 0.3053



14.0694, 0.3005, 0.3330



31.0044, 0.2401, 0.3842



1.8800, 0.2371, 0.3736

Inverse Universe

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



40.8482, 0.3609, 0.3169



54.9085, 0.3738, 0.3144



47.1272, 0.3651, 0.3515



12.4554, 0.3264, 0.3250



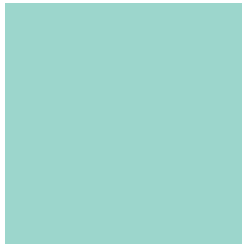
8.7320, 0.6133, 0.3152



0.5376, 0.5679, 0.2902

Previews

White Background



This preview shows how the Yxy color 59.5207, 0.2793, 0.3416 looks on a white background.

Color Contrast Check

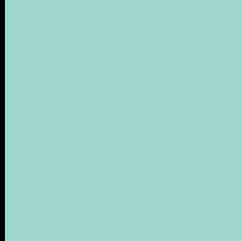
Large Text (above 18pt) WCAG AA × Fail

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 59.5207, 0.2793, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

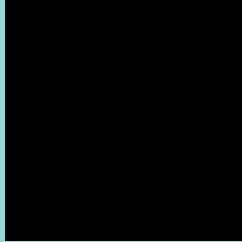
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

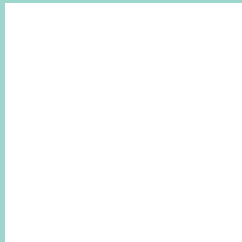
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 59.5207, 0.2793, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 59.5207, 0.2793, 0.3416.

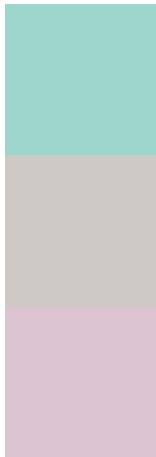


This preview shows how white text looks on a background with the Yxy color 59.5207, 0.2793, 0.3416.

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

59.5207, 0.2793, 0.3416

Protanopia

59.0699, 0.3203, 0.3337

Deuteranopia

59.0940, 0.3221, 0.3154



Tritanopia

59.2163, 0.2685, 0.3081

Trichromacy



Original Color

59.5207, 0.2793, 0.3416

Protanomaly

59.0041, 0.3034, 0.3363

Deuteranomaly

58.9526, 0.3046, 0.3242

Tritanomaly

59.0739, 0.2720, 0.3189

Monochromacy



Original Color

59.5207, 0.2793, 0.3416

Achromatopsia

55.2011, 0.3127, 0.3290

Achromatomaly

56.6592, 0.2989, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.5207, 0.2793, 0.3416 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(156, 214, 204)` looks like.

```
.text, #text, p{  
    color:rgb(156, 214, 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(156, 214, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 214, 204) }
```

Border

The CSS property to change the border of an element to Yxy 59.5207, 0.2793, 0.3416 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(156, 214, 204) }
```

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

```
.border{ border-color:rgb(156, 214, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 214, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 214, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 214, 204);  
box-shadow:4px 4px 4px 4px rgb(156, 214,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 59.5207, 0.2793, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 214, 204) }
```

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

```
.background{ background-color: rgb(156,  
214, 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