

Converting Colors

$Y_{xy}(55.7428, 0.2820, 0.3391)$

Have a look what the booklet for
Yxy(55.7428, 0.2820, 0.3391)
contains.

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Color

Yxy(55.8171, 0.2816, 0.3393)

Conversions

Conversions Part 1

Format	Color
Hex	9CCFC7
RGB	156, 207, 199
RGB Percent	61%, 81%, 78%
CMY	0.3884, 0.1882, 0.2196
CMYK	0.25, 0.00, 0.04, 0.19
HSL	171°, 35%, 71%
HSV	171°, 25%, 81%
XYZ	46.3251, 55.8171, 62.3645
YIQ	190.8390, -27.8280, -13.3000

Conversions

Conversions Part 2

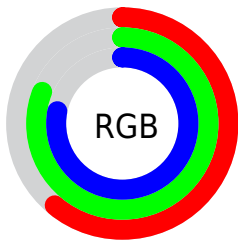
Format	Color
R_{YB}	156, 184, 207
Decimal	10276807
CIE _{Lab}	79.51, -18.19, -1.42
CIE _{LCh}	80, 18.249, 184.472
Yxy	55.8171, 0.2816, 0.3393
Android (android.graphics.Color)	4288466887 (0xFF9CCFC7)
YUV	190.8390, 4.0234, -30.5538
Hunter-Lab	74.7108, -20.0636, 2.8056

Details

The Yxy color **55.8171, 0.2816, 0.3393** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **39.7084, 0.3561, 0.3190**, and the grayscale version is **51.9867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.5889, 0.2866, 0.3289**, and **27.7104, 0.2735, 0.3430** is the 20% darker color. If you saturate the color by 10%, you get **53.7786, 0.2705, 0.3441**, and if you desaturate by 10%, it is **58.2153, 0.2937, 0.3349**.

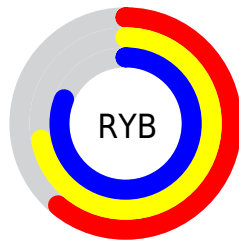
Distribution



Red (61%)

Green (81%)

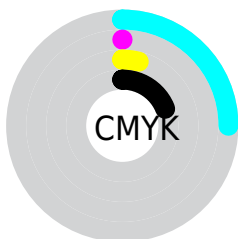
Blue (78%)



Red (61%)

Yellow (72%)

Blue (81%)

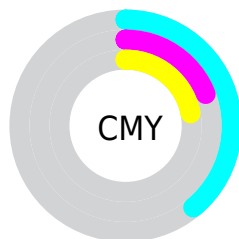


Cyan (25%)

Magenta (0%)

Yellow (4%)

Black (19%)



Cyan (39%)


Magenta (19%)


Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8171, 0.2816, 0.3393 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 55.8171, 0.2816, 0.3393 by changing the saturation by 10% instead.

 55.8171, 0.2816,
0.3393


 55.8171, 0.2816,
0.3393


409.0019, 0.2966,
0.3344

 40.0563, 0.2780,
0.3405


 98.7371, 0.2869,
0.3376

 27.5824, 0.2735,
0.3419


 126.6651, 0.2890,
0.3369

 18.0111, 0.2676,
0.3438


159.4176, 0.2907,
0.3363

 10.9580, 0.2596,
0.3463

197.3791, 0.2922,
0.3358

 6.0386, 0.2483,
0.3498

240.9338, 0.2935,
0.3354

 2.8686, 0.2308,
0.3550

290.4663, 0.2947,

 1.0635, 0.1923,

0.3350

0.3675

346.3608, 0.2957,
0.3347

0.0000, 0.0000,
0.0000

55.8171, 0.2816,
0.3393

55.8171, 0.2816,
0.3393

53.7786, 0.2705,
0.3441

58.2153, 0.2937,
0.3349

52.0751, 0.2608,
0.3492

60.9830, 0.3065,
0.3308

50.6894, 0.2527,
0.3545


64.1379, 0.3199,
0.3271

49.6001, 0.2463,
0.3600


67.6948, 0.3334,
0.3238


48.7832, 0.2419,
0.3656


70.8113, 0.3436,
0.3207

 48.2107, 0.2394,
0.3712

 70.9803, 0.3411,
0.3174

 47.8487, 0.2387,
0.3767

 71.1526, 0.3387,
0.3142

 47.7089, 0.2388,
0.3797

 71.3282, 0.3363,
0.3109

 71.5072, 0.3339,
0.3077

Harmonies

Analogous

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



55.8171, 0.3024, 0.3596



55.8171, 0.2816, 0.3393



55.8171, 0.2693, 0.3168

Triad

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



55.8171, 0.2816, 0.3393



55.8171, 0.2977, 0.2908



55.8171, 0.3593, 0.3572

Complementary

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



55.8171, 0.2816, 0.3393



39.7084, 0.3561, 0.3190

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.



55.8171, 0.3582, 0.3384



55.8171, 0.2816, 0.3393



55.8171, 0.3219, 0.3011

Square

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



55.8171, 0.2816, 0.3393



55.8171, 0.2783, 0.2897



55.8171, 0.3443, 0.3182



55.8171, 0.3475, 0.3694

Rectangle

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



55.8171, 0.2816, 0.3393



55.8171, 0.2672, 0.3040



55.8171, 0.3443, 0.3182



55.8171, 0.3605, 0.3514

Sweetspot

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



55.8194, 0.2816, 0.3393



96.5912, 0.3034, 0.3317



54.9732, 0.3158, 0.3971



20.6147, 0.3026, 0.3320



0.0000, 0.0000, 0.0000



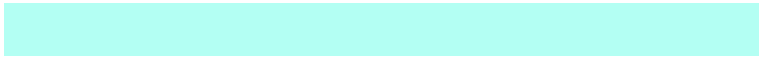
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8194, 0.2816, 0.3393



87.5149, 0.2752, 0.3420



48.3935, 0.2748, 0.3065



13.3739, 0.3004, 0.3327



30.0658, 0.2386, 0.3789



1.6899, 0.2358, 0.3687

Inverse Universe

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



39.7084, 0.3561, 0.3190



57.0400, 0.3697, 0.3166



45.5436, 0.3591, 0.3504



11.8381, 0.3266, 0.3254



8.4342, 0.6166, 0.3170



0.4813, 0.5706, 0.2917

Previews

White Background



This preview shows how the Yxy color 55.8171, 0.2816, 0.3393 looks on a white background.

Color Contrast Check

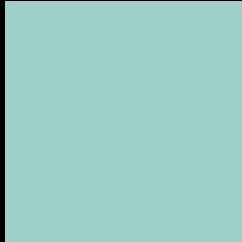
Large Text (above 18pt) WCAG AA × Fail

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 55.8171, 0.2816, 0.3393 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

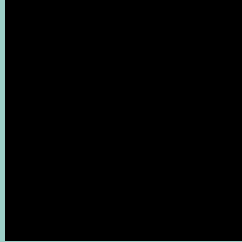
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

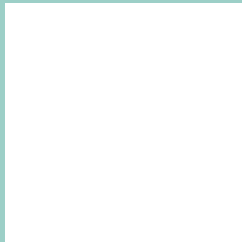
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.8171, 0.2816, 0.3393

Background



This preview shows how black text looks on a background with the Yxy color 55.8171, 0.2816, 0.3393.

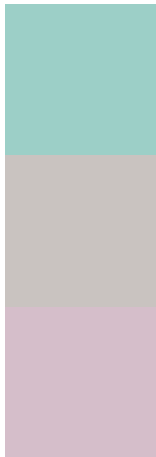


This preview shows how white text looks on a background with the Yxy color 55.8171, 0.2816, 0.3393.

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

55.8171, 0.2816, 0.3393

Protanopia

55.2535, 0.3198, 0.3326

Deuteranopia

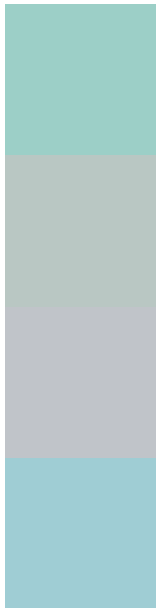
55.2373, 0.3224, 0.3151



Tritanopia

55.8266, 0.2712, 0.3089

Trichromacy



Original Color

55.8171, 0.2816, 0.3393

Protanomaly

55.1013, 0.3047, 0.3340

Deuteranomaly

54.9034, 0.3059, 0.3229

Tritanomaly

55.7870, 0.2754, 0.3200

Monochromacy



Original Color

55.8171, 0.2816, 0.3393

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.2925, 0.3001, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8171, 0.2816, 0.3393 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, 207, 199)` looks like.

```
.text, #text, p{  
    color:rgb(156, 207, 199)  
}
```

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, 207, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 207, 199) }
```

Border

The CSS property to change the border of an element to Yxy 55.8171, 0.2816, 0.3393 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, 207, 199) }
```

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

```
.border{ border-color:rgb(156, 207, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 207, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 207, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 207, 199);  
box-shadow:4px 4px 4px 4px rgb(156, 207,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8171, 0.2816, 0.3393 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 207, 199) }
```

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

```
.background{ background-color: rgb(156,  
207, 199) }
```

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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