

Converting Colors

$Y_{xy}(55.1019, 0.2797, 0.3213)$

Have a look what the booklet for
Yxy(55.1019, 0.2797, 0.3213)
contains.

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Color

Yxy(55.1019, 0.2797, 0.3213)

Conversions

Conversions Part 1

Format	Color
Hex	A3CBD1
RGB	163, 203, 209
RGB Percent	64%, 80%, 82%
CMY	0.3608, 0.2039, 0.1804
CMYK	0.22, 0.03, 0.00, 0.18
HSL	188°, 33%, 73%
HSV	188°, 22%, 82%
XYZ	47.9676, 55.1019, 68.4272
YIQ	191.7240, -25.7660, -6.6140

Conversions

Conversions Part 2

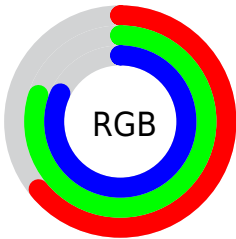
Format	Color
RYB	163, 184, 209
Decimal	10734545
CIELab	79.10, -11.83, -7.35
CIElCh	79, 13.926, 211.837
Yxy	55.1019, 0.2797, 0.3213
Android (android.graphics.Color)	4288924625 (0xFFA3CBD1)
YUV	191.7240, 8.5171, -25.1909
Hunter-Lab	74.2307, -14.5575, -2.6932

Details

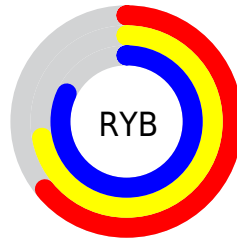
The Yxy color **55.1019, 0.2797, 0.3213** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **44.5711, 0.3556, 0.3366**, and the grayscale version is **52.5043, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **27.1764, 0.2707, 0.3186** is the 20% darker color. If you saturate the color by 10%, you get **51.8026, 0.2659, 0.3174**, and if you desaturate by 10%, it is **58.7928, 0.2944, 0.3250**.

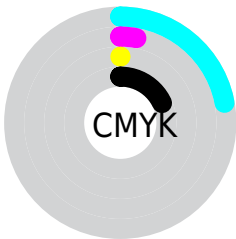
Distribution



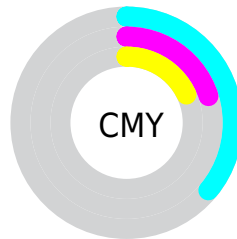
- Red (64%)
- Green (80%)
- Blue (82%)



- Red (64%)
- Yellow (72%)
- Blue (82%)



- Cyan (22%)
- Magenta (3%)
- Yellow (0%)
- Black (18%)





- Cyan (36%)
- Magenta (20%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.1019, 0.2797, 0.3213 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 55.1019, 0.2797, 0.3213 by changing the saturation by 10% instead.


 55.1019, 0.2797,
0.3213


 55.1019, 0.2797,
0.3213


406.2981, 0.2956,
0.3252

 39.4833, 0.2759,
0.3203


 97.6902, 0.2853,
0.3228

 27.1359, 0.2711,
0.3190


 125.4288, 0.2875,
0.3233

 17.6753, 0.2650,
0.3172


157.9761, 0.2893,
0.3237

 10.7171, 0.2567,
0.3148

195.7166, 0.2909,
0.3241

 5.8770, 0.2449,
0.3111

239.0346, 0.2923,
0.3245

 2.7704, 0.2270,
0.3049

288.3146, 0.2935,

 1.0131, 0.1940,

0.3248

0.2939

343.9410, 0.2946,
0.3250

0.0000, 0.0000,
0.0000

55.1019, 0.2797,
0.3213

55.1019, 0.2797,
0.3213

51.8026, 0.2659,
0.3174

58.7928, 0.2944,
0.3250

48.8702, 0.2532,
0.3132

62.8855, 0.3096,
0.3284

46.2874, 0.2420,
0.3088

67.3978, 0.3251,
0.3314

44.0328, 0.2325,
0.3043

72.3446, 0.3406,
0.3342

42.0824, 0.2248,
0.2997

75.2927, 0.3465,
0.3368

■ 40.4088, 0.2190,
0.2951

■ 76.7046, 0.3461,
0.3396

■ 38.9791, 0.2151,
0.2905

■ 78.1398, 0.3456,
0.3423

■ 37.9663, 0.2130,
0.2869

■ 79.5983, 0.3451,
0.3450

■ 81.0803, 0.3446,
0.3477

Harmonies

Analogous

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



55.1019, 0.2900, 0.3384



55.1019, 0.2797, 0.3213



55.1019, 0.2780, 0.3070

Triad

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



55.1019, 0.2797, 0.3213



55.1019, 0.3182, 0.3064



55.1019, 0.3406, 0.3595

Complementary

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



55.1019, 0.2797, 0.3213



44.5711, 0.3556, 0.3366

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.



55.1019, 0.3487, 0.3498



55.1019, 0.2797, 0.3213



55.1019, 0.3356, 0.3194

Square

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



55.1019, 0.2797, 0.3213



55.1019, 0.2997, 0.2990



55.1019, 0.3469, 0.3351



55.1019, 0.3250, 0.3610

Rectangle

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



55.1019, 0.2797, 0.3213



55.1019, 0.2818, 0.3008



55.1019, 0.3469, 0.3351



55.1019, 0.3443, 0.3570

Sweetspot

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



55.1041, 0.2797, 0.3213



95.2957, 0.3018, 0.3267



56.2270, 0.3063, 0.3827



20.3137, 0.3009, 0.3265



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.



55.1041, 0.2797, 0.3213



84.1333, 0.2737, 0.3196



45.2872, 0.2776, 0.2919



13.1334, 0.2983, 0.3259



23.5123, 0.2132, 0.2876



1.3895, 0.2155, 0.2959

Inverse Universe

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



44.0603, 0.3204, 0.2814



64.2024, 0.3221, 0.2719



53.6200, 0.3499, 0.3635



11.9814, 0.3157, 0.3090



10.4448, 0.3565, 0.1738



0.5916, 0.3491, 0.1697

Previews

White Background



This preview shows how the Yxy color 55.1019, 0.2797, 0.3213 looks on a white background.

Color Contrast Check

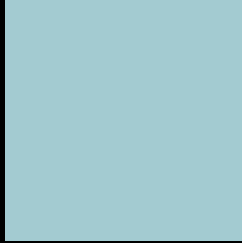
Large Text (above 18pt) WCAG AA × Fail

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 55.1019, 0.2797, 0.3213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

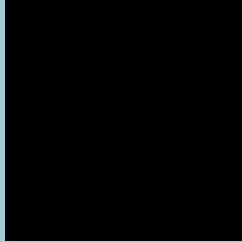
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

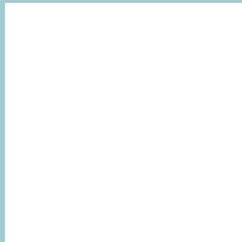
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1019, 0.2797, 0.3213

Background



This preview shows how black text looks on a background with the Yxy color 55.1019, 0.2797, 0.3213.



This preview shows how white text looks on a background with the Yxy color 55.1019, 0.2797, 0.3213.

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

55.1019, 0.2797, 0.3213

Protanopia

54.6790, 0.3069, 0.3169

Deuteranopia

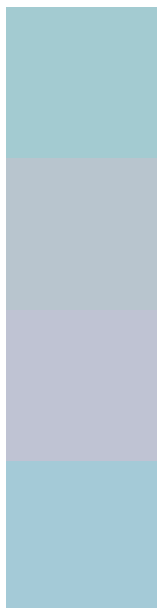
54.8458, 0.3099, 0.3034



Tritanopia

55.3023, 0.2754, 0.3090

Trichromacy



Original Color

55.1019, 0.2797, 0.3213

Protanomaly

54.5791, 0.2963, 0.3179

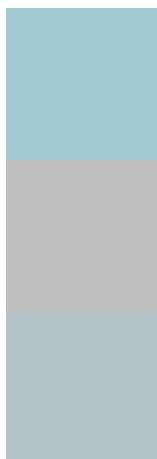
Deuteranomaly

54.8097, 0.2981, 0.3097

Tritanomaly

55.0399, 0.2766, 0.3126

Monochromacy



Original Color

55.1019, 0.2797, 0.3213

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.3808, 0.2996, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1019, 0.2797, 0.3213 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(163, 203, 209)` looks like.

```
.text, #text, p{  
    color:rgb(163, 203, 209)  
}
```

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(163, 203, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 203, 209) }
```

Border

The CSS property to change the border of an element to Yxy 55.1019, 0.2797, 0.3213 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(163, 203, 209) }
```

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

```
.border{ border-color:rgb(163, 203, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 203, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 203, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 203, 209);  
box-shadow:4px 4px 4px 4px rgb(163, 203,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1019, 0.2797, 0.3213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 203, 209) }
```

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

```
.background{ background-color: rgb(163,  
203, 209) }
```

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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