

Converting Colors

$Yxy(55.2016, 0.2785, 0.3188)$

Have a look what the booklet for
Yxy(55.2016, 0.2785, 0.3188)
contains.

Yxy(55.2016, 0.2785, 0.3188)	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(55.2016, 0.2785, 0.3188)

Conversions

Conversions Part 1

Format	Color
Hex	A3CBD3
RGB	163, 203, 211
RGB Percent	64%, 80%, 83%
CMY	0.3606, 0.2039, 0.1726
CMYK	0.23, 0.04, 0.00, 0.17
HSL	190°, 35%, 73%
HSV	190°, 23%, 83%
XYZ	48.2235, 55.2016, 69.7292
YIQ	191.9520, -26.4080, -5.9920

Conversions

Conversions Part 2

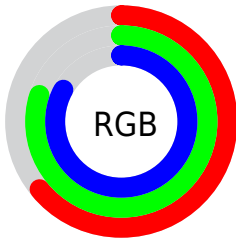
Format	Color
RYB	163, 185, 211
Decimal	10734547
CIELab	79.16, -11.37, -8.33
CIElCh	79, 14.094, 216.214
Yxy	55.2016, 0.2785, 0.3188
Android (android.graphics.Color)	4288924627 (0xFFA3CBD3)
YUV	191.9520, 9.3907, -25.3909
Hunter-Lab	74.2978, -14.1645, -3.6358

Details

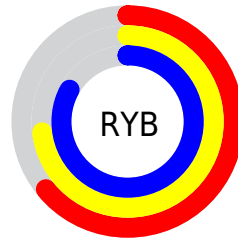
The Yxy color **55.2016, 0.2785, 0.3188** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **45.6325, 0.3569, 0.3390**, and the grayscale version is **52.6443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8001, 0.2911, 0.3289**, and **27.2442, 0.2691, 0.3152** is the 20% darker color. If you saturate the color by 10%, you get **51.5168, 0.2645, 0.3137**, and if you desaturate by 10%, it is **59.3002, 0.2933, 0.3235**.

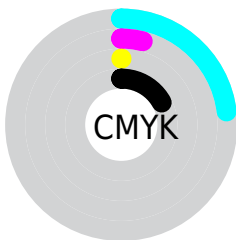
Distribution



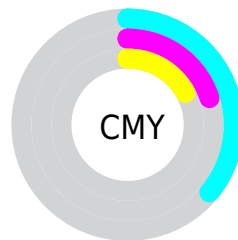
- Red (64%)
- Green (80%)
- Blue (83%)



- Red (64%)
- Yellow (73%)
- Blue (83%)



- Cyan (23%)
- Magenta (4%)
- Yellow (0%)
- Black (17%)



- Cyan (36%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2016, 0.2785, 0.3188 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 55.2016, 0.2785, 0.3188 by changing the saturation by 10% instead.

■ 55.2016, 0.2785,
0.3188

■ 55.2016, 0.2785,
0.3188

406.6757, 0.2949,
0.3240

■ 39.5632, 0.2746,
0.3175

■ 97.8363, 0.2843,
0.3207

■ 27.1981, 0.2697,
0.3158

■ 125.6013, 0.2866,
0.3214

■ 17.7221, 0.2633,
0.3136

158.1773, 0.2885,
0.3220

■ 10.7506, 0.2547,
0.3105

195.9486, 0.2901,
0.3225

■ 5.8994, 0.2426,
0.3058

239.2997, 0.2916,
0.3229

■ 2.7840, 0.2242,
0.2981

288.6150, 0.2928,

■ 1.0200, 0.1912,

0.3233

0.2844

344.2789, 0.2939,
0.3237

0.0000, 0.0000,
0.0000

55.2016, 0.2785,
0.3188

55.2016, 0.2785,
0.3188

51.5168, 0.2645,
0.3137

59.3002, 0.2933,
0.3235

48.2202, 0.2516,
0.3083

63.8231, 0.3085,
0.3279

45.2940, 0.2400,
0.3026

68.7889, 0.3240,
0.3318

42.7159, 0.2302,
0.2967

74.2131, 0.3394,
0.3354

40.4611, 0.2221,
0.2907

77.4508, 0.3444,
0.3388

■ 38.5009, 0.2160,
0.2847

■ 79.3221, 0.3438,
0.3423

■ 36.8011, 0.2118,
0.2788

■ 81.2326, 0.3432,
0.3458

■ 35.6844, 0.2096,
0.2745

■ 83.1824, 0.3427,
0.3493

■ 85.1717, 0.3421,
0.3527

Harmonies

Analogous

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



55.2016, 0.2878, 0.3360



55.2016, 0.2785, 0.3188



55.2016, 0.2781, 0.3051

Triad

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



55.2016, 0.2785, 0.3188



55.2016, 0.3210, 0.3078



55.2016, 0.3390, 0.3606

Complementary

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



55.2016, 0.2785, 0.3188



45.6325, 0.3569, 0.3390

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.



55.2016, 0.3485, 0.3518



55.2016, 0.2785, 0.3188



55.2016, 0.3380, 0.3215

Square

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



55.2016, 0.2785, 0.3188



55.2016, 0.3022, 0.2993



55.2016, 0.3482, 0.3375



55.2016, 0.3225, 0.3608

Rectangle

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



55.2016, 0.2785, 0.3188



55.2016, 0.2828, 0.2996



55.2016, 0.3482, 0.3375



55.2016, 0.3431, 0.3585

Sweetspot

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



55.2038, 0.2785, 0.3188



94.8872, 0.3018, 0.3260



57.2833, 0.3050, 0.3825



20.2188, 0.3009, 0.3258



0.0000, 0.0000, 0.0000



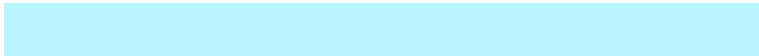
21.4041, 0.3127, 0.3290

Same Dimension

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



55.2038, 0.2785, 0.3188



82.0949, 0.2720, 0.3165



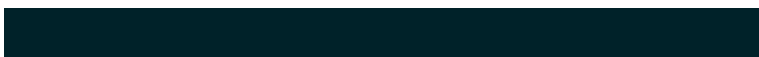
45.0666, 0.2762, 0.2884



13.0577, 0.2983, 0.3250



21.6690, 0.2098, 0.2754



1.3028, 0.2129, 0.2862

Inverse Universe

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



44.3701, 0.3222, 0.2817



62.9440, 0.3244, 0.2720



55.1680, 0.3509, 0.3665



11.9738, 0.3163, 0.3098



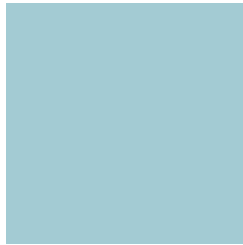
10.2588, 0.3678, 0.1800



0.5828, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 55.2016, 0.2785, 0.3188 looks on a white background.

Color Contrast Check

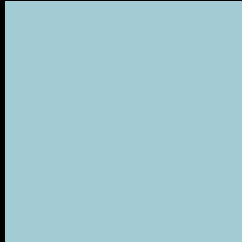
Large Text (above 18pt) WCAG AA × Fail

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 55.2016, 0.2785, 0.3188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

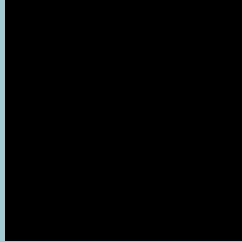
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

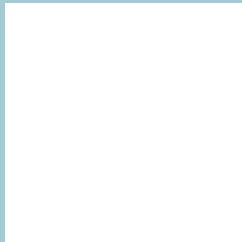
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.2016, 0.2785, 0.3188

Background



This preview shows how black text looks on a background with the Yxy color 55.2016, 0.2785, 0.3188.



This preview shows how white text looks on a background with the Yxy color 55.2016, 0.2785, 0.3188.

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

55.2016, 0.2785, 0.3188

Protanopia

54.7756, 0.3055, 0.3146

Deuteranopia

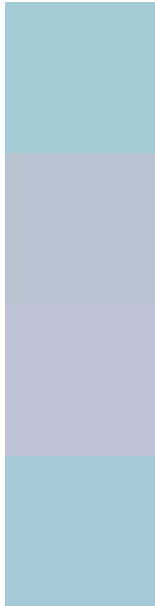
54.8038, 0.3076, 0.3010



Tritanopia

55.1955, 0.2747, 0.3089

Trichromacy



Original Color

55.2016, 0.2785, 0.3188

Protanomaly

54.6769, 0.2949, 0.3155

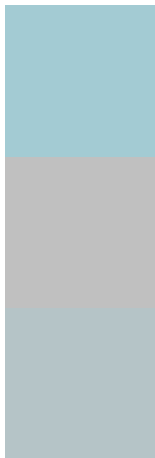
Deuteranomaly

54.7815, 0.2959, 0.3073

Tritanomaly

55.0399, 0.2766, 0.3126

Monochromacy



Original Color

55.2016, 0.2785, 0.3188

Achromatopsia

52.7115, 0.3127, 0.3290

Achromatomaly

53.4271, 0.2989, 0.3252

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.2016, 0.2785, 0.3188 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(163, 203, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 203, 211) }
```

Border

The CSS property to change the border of an element to Yxy 55.2016, 0.2785, 0.3188 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, 211) }
```

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

```
.border{ border-color:rgb(163, 203, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 203, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 203, 211);  
box-shadow:4px 4px 4px 4px rgb(163, 203,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 55.2016, 0.2785, 0.3188 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, 211) }
```

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

```
.background{ background-color: rgb(163,  
203, 211) }
```

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