

Converting Colors

$Y_{xy}(55.0364, 0.2756, 0.3200)$

Have a look what the booklet for
Yxy(55.0364, 0.2756, 0.3200)
contains.

Yxy(55.1580, 0.2753, 0.3200)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(55.1580, 0.2753, 0.3200)

Conversions

Conversions Part 1

Format	Color
Hex	9ECCD3
RGB	158, 204, 211
RGB Percent	62%, 80%, 83%
CMY	0.3803, 0.2000, 0.1726
CMYK	0.25, 0.03, 0.00, 0.17
HSL	188°, 38%, 72%
HSV	188°, 25%, 83%
XYZ	47.4531, 55.1580, 69.7576
YIQ	191.0440, -29.6630, -7.5750

Conversions

Conversions Part 2

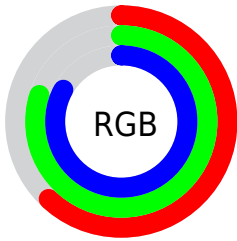
Format	Color
R _{YB}	158, 183, 211
Decimal	10407123
CIE Lab	79.13, -13.40, -8.39
CIE LCh	79, 15.810, 212.066
Yxy	55.1580, 0.2753, 0.3200
Android (android.graphics.Color)	4288597203 (0xFF9ECCD3)
YUV	191.0440, 9.8383, -28.9796
Hunter-Lab	74.2684, -15.9189, -3.7010

Details

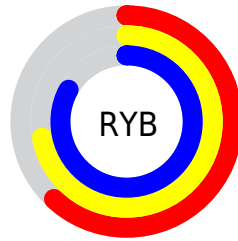
The Yxy color **55.1580, 0.2753, 0.3200** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **43.2285, 0.3633, 0.3378**, and the grayscale version is **52.0857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.0361, 0.2883, 0.3289**, and **27.2503, 0.2653, 0.3168** is the 20% darker color. If you saturate the color by 10%, you get **51.8909, 0.2618, 0.3159**, and if you desaturate by 10%, it is **58.8205, 0.2898, 0.3238**.

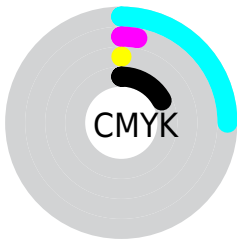
Distribution



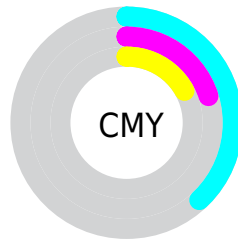
- Red (62%)
- Green (80%)
- Blue (83%)



- Red (62%)
- Yellow (72%)
- Blue (83%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (17%)



- Cyan (38%)
- Magenta (20%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.1580, 0.2753, 0.3200 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 55.1580, 0.2753, 0.3200 by changing the saturation by 10% instead.

■ 55.1580, 0.2753,
0.3200

■ 55.1580, 0.2753,
0.3200

■ 406.5106, 0.2933,
0.3246

■ 39.5282, 0.2710,
0.3188

■ 97.7724, 0.2817,
0.3217

■ 27.1709, 0.2657,
0.3173

■ 125.5258, 0.2841,
0.3223

■ 17.7016, 0.2587,
0.3152

■ 158.0893, 0.2862,
0.3229

■ 10.7360, 0.2494,
0.3123

■ 195.8472, 0.2880,
0.3233

■ 5.8896, 0.2362,
0.3079

■ 239.1838, 0.2896,
0.3237

■ 2.7781, 0.2164,
0.3006

■ 288.4837, 0.2909,

■ 1.0170, 0.1793,

0.3241

0.2877

344.1311, 0.2922,
0.3244

0.0000, 0.0000,
0.0000

55.1580, 0.2753,
0.3200

55.1580, 0.2753,
0.3200

51.8909, 0.2618,
0.3159

58.8205, 0.2898,
0.3238

48.9935, 0.2495,
0.3116

62.8892, 0.3049,
0.3273

46.4476, 0.2388,
0.3071

67.3827, 0.3203,
0.3305

44.2305, 0.2298,
0.3025

72.3166, 0.3359,
0.3334

42.3167, 0.2227,
0.2979

76.0535, 0.3449,
0.3361

■ 40.6767, 0.2175,
0.2932

■ 77.5067, 0.3444,
0.3389

■ 39.2744, 0.2141,
0.2886

■ 78.9841, 0.3439,
0.3417

■ 38.6416, 0.2129,
0.2864

■ 80.4861, 0.3435,
0.3445

■ 82.0125, 0.3430,
0.3472

Harmonies

Analogous

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



55.1580, 0.2869, 0.3396



55.1580, 0.2753, 0.3200



55.1580, 0.2734, 0.3038

Triad

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



55.1580, 0.2753, 0.3200



55.1580, 0.3190, 0.3036



55.1580, 0.3442, 0.3636

Complementary

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



55.1580, 0.2753, 0.3200



43.2285, 0.3633, 0.3378

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.



55.1580, 0.3536, 0.3525



55.1580, 0.2753, 0.3200



55.1580, 0.3388, 0.3183

Square

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



55.1580, 0.2753, 0.3200



55.1580, 0.2981, 0.2952



55.1580, 0.3516, 0.3359



55.1580, 0.3264, 0.3654

Rectangle

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



55.1580, 0.2753, 0.3200



55.1580, 0.2778, 0.2970



55.1580, 0.3516, 0.3359



55.1580, 0.3484, 0.3608

Sweetspot

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



55.1602, 0.2753, 0.3200



94.6310, 0.3003, 0.3263



56.5374, 0.3054, 0.3914



20.0490, 0.2980, 0.3258



0.0000, 0.0000, 0.0000



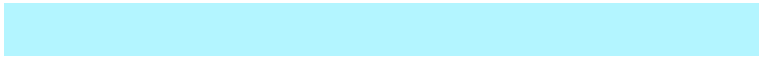
21.4041, 0.3127, 0.3290

Same Dimension

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



55.1602, 0.2753, 0.3200



82.0003, 0.2681, 0.3179



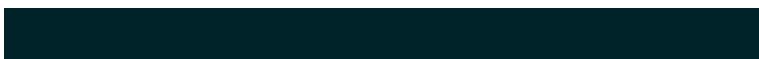
43.9456, 0.2723, 0.2859



13.1302, 0.2983, 0.3259



23.4339, 0.2131, 0.2871



1.3858, 0.2154, 0.2955

Inverse Universe

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



42.6697, 0.3217, 0.2746



59.8878, 0.3239, 0.2631



53.4380, 0.3558, 0.3686



11.9811, 0.3158, 0.3091



10.4369, 0.3570, 0.1740



0.5912, 0.3494, 0.1699

Previews

White Background



This preview shows how the Yxy color 55.1580, 0.2753, 0.3200 looks on a white background.

Color Contrast Check

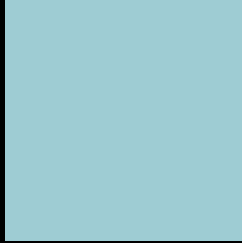
Large Text (above 18pt) WCAG AA × Fail

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 55.1580, 0.2753, 0.3200 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

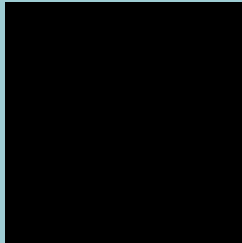
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

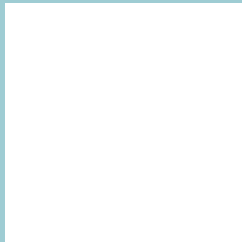
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.1580, 0.2753, 0.3200

Background



This preview shows how black text looks on a background with the Yxy color 55.1580, 0.2753, 0.3200.

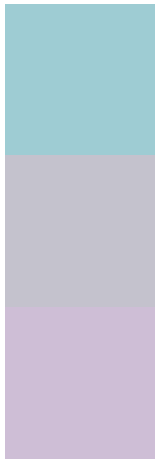


This preview shows how white text looks on a background with the Yxy color 55.1580, 0.2753, 0.3200.

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

55.1580, 0.2753, 0.3200

Protanopia

54.7271, 0.3062, 0.3157

Deuteranopia

54.8038, 0.3076, 0.3010



Tritanopia

55.2999, 0.2716, 0.3088

Trichromacy



Original Color

55.1580, 0.2753, 0.3200

Protanomaly

54.8382, 0.2941, 0.3179

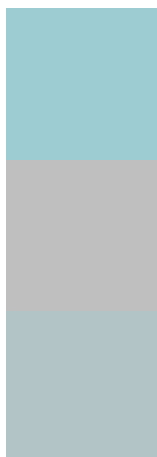
Deuteranomaly

54.6531, 0.2952, 0.3072

Tritanomaly

55.0407, 0.2728, 0.3125

Monochromacy



Original Color

55.1580, 0.2753, 0.3200

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.1408, 0.2981, 0.3264

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.1580, 0.2753, 0.3200 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(158, 204, 211)` looks like.

```
.text, #text, p{  
    color:rgb(158, 204, 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(158, 204, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 204, 211) }
```

Border

The CSS property to change the border of an element to Yxy 55.1580, 0.2753, 0.3200 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(158, 204, 211) }
```

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

```
.border{ border-color:rgb(158, 204, 211) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 204, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 204, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 204, 211);  
box-shadow:4px 4px 4px 4px rgb(158, 204,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 55.1580, 0.2753, 0.3200 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 204, 211) }
```

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

```
.background{ background-color: rgb(158,  
204, 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](#).

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