

Converting Colors

$Y_{xy}(55.7272, 0.3123, 0.3773)$

Have a look what the booklet for
Yxy(55.7272, 0.3123, 0.3773)
contains.

Yxy(55.6651, 0.3120, 0.3773)	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(55.6651, 0.3120, 0.3773)

Conversions

Conversions Part 1

Format	Color
Hex	ABCEA9
RGB	171, 206, 169
RGB Percent	67%, 81%, 66%
CMY	0.3293, 0.1922, 0.3374
CMYK	0.17, 0.00, 0.18, 0.19
HSL	117°, 27%, 74%
HSV	117°, 18%, 81%
XYZ	46.0310, 55.6651, 45.8392
YIQ	191.3170, -8.9830, -18.9270

Conversions

Conversions Part 2

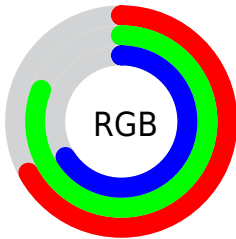
Format	Color
R _{YB}	169, 206, 204
Decimal	11259561
CIE Lab	79.42, -18.65, 14.63
CIE LCh	79, 23.704, 141.900
Yxy	55.6651, 0.3120, 0.3773
Android (android.graphics.Color)	4289449641 (0xFFABCEA9)
YUV	191.3170, -11.0023, -17.8180
Hunter-Lab	74.6090, -20.4379, 15.7990

Details

The Yxy color **55.6651, 0.3120, 0.3773** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.6488, 0.3130, 0.2846**, and the grayscale version is **52.3666, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.2327, 0.3131, 0.3608**, and **27.5924, 0.3108, 0.3914** is the 20% darker color. If you saturate the color by 10%, you get **52.9274, 0.3113, 0.4087**, and if you desaturate by 10%, it is **58.8508, 0.3125, 0.3491**.

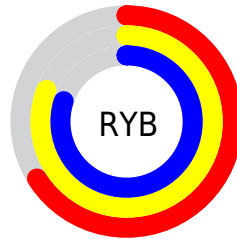
Distribution



Red (67%)

Green (81%)

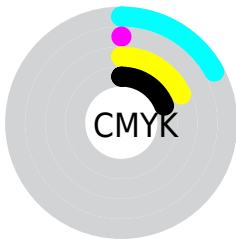
Blue (66%)



Red (66%)

Yellow (81%)

Blue (80%)

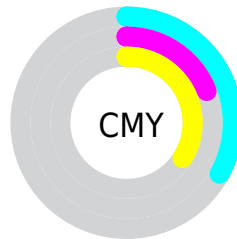


Cyan (17%)

Magenta (0%)

Yellow (18%)

Black (19%)



Cyan (33%)

Magenta (19%)

Yellow (34%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.6651, 0.3120, 0.3773 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 55.6651, 0.3120, 0.3773 by changing the saturation by 10% instead.

■ 55.6651, 0.3120,
0.3773

■ 55.6651, 0.3120,
0.3773

408.4282, 0.3127,
0.3532

■ 39.9345, 0.3117,
0.3833

■ 98.5147, 0.3123,
0.3685

■ 27.4875, 0.3113,
0.3910

126.4026, 0.3124,
0.3652

■ 17.9397, 0.3106,
0.4013

159.1116, 0.3125,
0.3625

■ 10.9067, 0.3095,
0.4156

197.0261, 0.3126,
0.3601

■ 6.0041, 0.3074,
0.4368

240.5307, 0.3126,
0.3580

■ 2.8476, 0.3030,
0.4713

290.0096, 0.3127,

■ 1.0527, 0.3150,

0.3562

0.6185

345.8473, 0.3127,
0.3546

0.0000, 0.0000,
0.0000

55.6651, 0.3120,
0.3773

55.6651, 0.3120,
0.3773

52.9274, 0.3113,
0.4087

58.8508, 0.3125,
0.3491

50.6110, 0.3104,
0.4426

62.4959, 0.3128,
0.3242

48.6971, 0.3092,
0.4779

66.6200, 0.3129,
0.3026

47.1626, 0.3077,
0.5126

71.2398, 0.3130,
0.2839

45.9823, 0.3060,
0.5441

72.6217, 0.3150,
0.2811

■ 45.1278, 0.3043,
0.5699

■ 44.5664, 0.3026,
0.5879

■ 44.2562, 0.3012,
0.5977

■ 44.2164, 0.3010,
0.5992

Harmonies

Analogous

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



55.6651, 0.3427, 0.3848



55.6651, 0.3120, 0.3773



55.6651, 0.2825, 0.3545

Triad

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



55.6651, 0.3120, 0.3773



55.6651, 0.2611, 0.2815



55.6651, 0.3663, 0.3296

Complementary

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



55.6651, 0.3120, 0.3773



45.6488, 0.3130, 0.2846

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.



55.6651, 0.3424, 0.3050



55.6651, 0.3120, 0.3773



55.6651, 0.2814, 0.2778

Square

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



55.6651, 0.3120, 0.3773



55.6651, 0.2541, 0.2980



55.6651, 0.3110, 0.2864



55.6651, 0.3750, 0.3553

Rectangle

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



55.6651, 0.3120, 0.3773



55.6651, 0.2673, 0.3347



55.6651, 0.3110, 0.2864



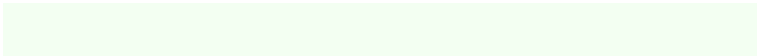
55.6651, 0.3597, 0.3210

Sweetspot

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



55.6675, 0.3120, 0.3773



96.9938, 0.3126, 0.3415



58.9475, 0.3400, 0.3705



20.6736, 0.3125, 0.3433



0.0000, 0.0000, 0.0000



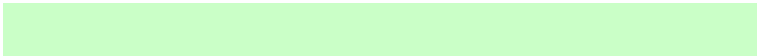
21.4041, 0.3127, 0.3290

Same Dimension

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



55.6675, 0.3120, 0.3773



88.2000, 0.3117, 0.3904



56.0770, 0.2996, 0.3560



12.5663, 0.3124, 0.3529



27.2414, 0.3014, 0.5989



1.4161, 0.3060, 0.5953

Inverse Universe

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



45.6488, 0.3130, 0.2846



68.6915, 0.3130, 0.2737



45.2023, 0.3284, 0.3034



11.3706, 0.3129, 0.3061



9.8613, 0.3071, 0.1465



0.5187, 0.3100, 0.1481

Previews

White Background



This preview shows how the Yxy color 55.6651, 0.3120, 0.3773 looks on a white background.

Color Contrast Check

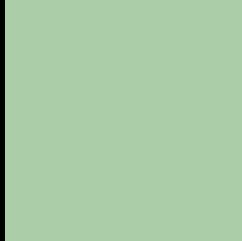
Large Text (above 18pt) WCAG AA × Fail

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 55.6651, 0.3120, 0.3773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

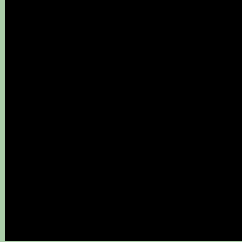
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

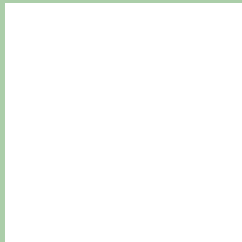
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 55.6651, 0.3120, 0.3773

Background



This preview shows how black text looks on a background with the Yxy color 55.6651, 0.3120, 0.3773.



This preview shows how white text looks on a background with the Yxy color 55.6651, 0.3120, 0.3773.

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

55.6651, 0.3120, 0.3773

Protanopia

55.4256, 0.3463, 0.3679

Deuteranopia

55.2210, 0.3561, 0.3488



Tritanopia

55.7986, 0.2867, 0.3106

Trichromacy



Original Color

55.6651, 0.3120, 0.3773

Protanomaly

55.5311, 0.3330, 0.3715

Deuteranomaly

54.9496, 0.3393, 0.3582

Tritanomaly

55.5484, 0.2959, 0.3340

Monochromacy



Original Color

55.6651, 0.3120, 0.3773

Achromatopsia

52.0996, 0.3127, 0.3290

Achromatomaly

53.0891, 0.3127, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6651, 0.3120, 0.3773 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(171, 206, 169)` looks like.

```
.text, #text, p{  
    color:rgb(171, 206, 169)  
}
```

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(171, 206, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 206, 169) }
```

Border

The CSS property to change the border of an element to Yxy 55.6651, 0.3120, 0.3773 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(171, 206, 169) }
```

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

```
.border{ border-color:rgb(171, 206, 169) }
```

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

Here you see how a box with a 4 pixel rgb(171, 206, 169) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 206, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 206, 169);  
box-shadow:4px 4px 4px 4px rgb(171, 206,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6651, 0.3120, 0.3773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 206, 169) }
```

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

```
.background{ background-color: rgb(171,  
206, 169) }
```

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