

Converting Colors

$Y_{xy}(55.3940, 0.2950, 0.3689)$

Have a look what the booklet for
Yxy(55.3940, 0.2950, 0.3689)
contains.

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Color

Yxy(55.3940, 0.2950, 0.3689)

Conversions

Conversions Part 1

Format	Color
Hex	9CD0B2
RGB	156, 208, 178
RGB Percent	61%, 82%, 70%
CMY	0.3883, 0.1843, 0.3020
CMYK	0.25, 0.00, 0.14, 0.18
HSL	145°, 36%, 71%
HSV	145°, 25%, 82%
XYZ	44.2972, 55.3940, 50.4688
YIQ	189.0320, -21.3620, -20.3540

Conversions

Conversions Part 2

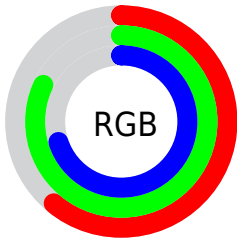
Format	Color
RYB	156, 193, 208
Decimal	10277042
CIELab	79.27, -22.98, 9.47
CIELCh	79, 24.854, 157.594
Yxy	55.3940, 0.2950, 0.3689
Android (android.graphics.Color)	4288467122 (0xFF9CD0B2)
YUV	189.0320, -5.4388, -28.9691
Hunter-Lab	74.4271, -24.0088, 11.8947

Details

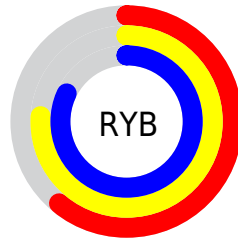
The Yxy color **55.3940, 0.2950, 0.3689** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.7257, 0.3356, 0.2923**, and the grayscale version is **50.9469, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.3094, 0.2978, 0.3510**, and **27.1467, 0.2898, 0.3803** is the 20% darker color. If you saturate the color by 10%, you get **53.0350, 0.2886, 0.3879**, and if you desaturate by 10%, it is **58.1552, 0.3019, 0.3516**.

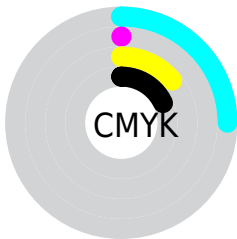
Distribution



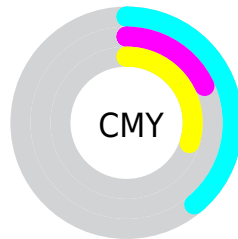
- Red (61%)
- Green (82%)
- Blue (70%)



- Red (61%)
- Yellow (76%)
- Blue (82%)



- Cyan (25%)
- Magenta (0%)
- Yellow (14%)
- Black (18%)





- Cyan (39%)
- Magenta (18%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.3940, 0.2950, 0.3689 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 55.3940, 0.2950, 0.3689 by changing the saturation by 10% instead.


 55.3940, 0.2950,
0.3689

 55.3940, 0.2950,
0.3689


407.4037, 0.3039,
0.3490

 39.7173, 0.2928,
0.3739


 98.1180, 0.2982,
0.3617

 27.3182, 0.2899,
0.3803


 125.9340, 0.2994,
0.3589

 17.8123, 0.2861,
0.3887


158.5653, 0.3005,
0.3566

 10.8153, 0.2808,
0.4006

196.3962, 0.3013,
0.3547

 5.9428, 0.2729,
0.4182

239.8110, 0.3021,
0.3530

 2.8103, 0.2599,
0.4471

289.1943, 0.3028,

 1.0335, 0.2177,

0.3515

0.5432

344.9304, 0.3033,
0.3501

0.0000, 0.0000,
0.0000

55.3940, 0.2950,
0.3689

55.3940, 0.2950,
0.3689

53.0350, 0.2886,
0.3879

58.1552, 0.3019,
0.3516

51.0520, 0.2831,
0.4085

61.3294, 0.3091,
0.3361

49.4265, 0.2787,
0.4303

64.9357, 0.3163,
0.3223

48.1356, 0.2758,
0.4528

68.9899, 0.3235,
0.3102

47.1536, 0.2746,
0.4754

72.5499, 0.3267,
0.2992

■ 46.4509, 0.2754,
0.4972

■ 73.2791, 0.3183,
0.2878

■ 45.9915, 0.2781,
0.5176

■ 73.5969, 0.3149,
0.2831

■ 45.8213, 0.2797,
0.5271

Harmonies

Analogous

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



55.3940, 0.3276, 0.3859



55.3940, 0.2950, 0.3689



55.3940, 0.2681, 0.3396

Triad

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



55.3940, 0.2950, 0.3689



55.3940, 0.2682, 0.2755



55.3940, 0.3761, 0.3439

Complementary

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



55.3940, 0.2950, 0.3689



40.7257, 0.3356, 0.2923

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.



55.3940, 0.3586, 0.3168



55.3940, 0.2950, 0.3689



55.3940, 0.2953, 0.2786

Square

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



55.3940, 0.2950, 0.3689



55.3940, 0.2533, 0.2858



55.3940, 0.3284, 0.2935



55.3940, 0.3755, 0.3689

Rectangle

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



55.3940, 0.2950, 0.3689



55.3940, 0.2566, 0.3185



55.3940, 0.3284, 0.2935



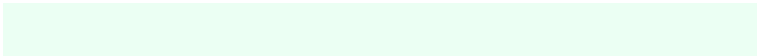
55.3940, 0.3722, 0.3347

Sweetspot

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



55.3963, 0.2950, 0.3689



95.5991, 0.3069, 0.3407



57.9969, 0.3327, 0.3947



20.2957, 0.3058, 0.3430



0.0000, 0.0000, 0.0000



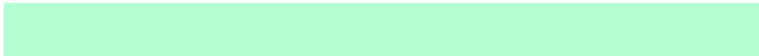
21.4041, 0.3127, 0.3290

Same Dimension

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



55.3963, 0.2950, 0.3689



85.7403, 0.2915, 0.3788



56.5265, 0.2788, 0.3345



13.2881, 0.3059, 0.3427



28.5735, 0.2790, 0.5245



1.6134, 0.2688, 0.4877

Inverse Universe

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



40.7257, 0.3356, 0.2923



58.6085, 0.3419, 0.2841



39.7295, 0.3607, 0.3237



11.9210, 0.3202, 0.3157



9.2229, 0.4623, 0.2320



0.5314, 0.4294, 0.2139

Previews

White Background



This preview shows how the Yxy color 55.3940, 0.2950, 0.3689 looks on a white background.

Color Contrast Check

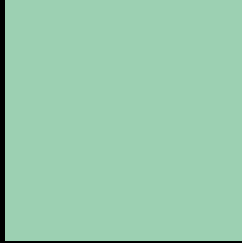
Large Text (above 18pt) WCAG AA × Fail

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 55.3940, 0.2950, 0.3689 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

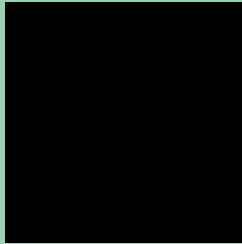
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.3940, 0.2950, 0.3689

Background



This preview shows how black text looks on a background with the Yxy color 55.3940, 0.2950, 0.3689.



This preview shows how white text looks on a background with the Yxy color 55.3940, 0.2950, 0.3689.

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

55.3940, 0.2950, 0.3689

Protanopia

54.9496, 0.3393, 0.3582

Deuteranopia

54.9882, 0.3444, 0.3372



Tritanopia

55.1955, 0.2747, 0.3089

Trichromacy



Original Color

55.3940, 0.2950, 0.3689

Protanomaly

54.9293, 0.3214, 0.3619

Deuteranomaly

54.6864, 0.3248, 0.3475

Tritanomaly

55.0746, 0.2822, 0.3302

Monochromacy



Original Color

55.3940, 0.2950, 0.3689

Achromatopsia

50.8881, 0.3127, 0.3290

Achromatomaly

52.3297, 0.3058, 0.3431

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.3940, 0.2950, 0.3689 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, 208, 178)` looks like.

```
.text, #text, p{  
    color:rgb(156, 208, 178)  
}
```

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, 208, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 208, 178) }
```

Border

The CSS property to change the border of an element to Yxy 55.3940, 0.2950, 0.3689 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, 208, 178) }
```

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

```
.border{ border-color:rgb(156, 208, 178) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 208, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 208, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 208, 178);  
box-shadow:4px 4px 4px 4px rgb(156, 208,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 55.3940, 0.2950, 0.3689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 208, 178) }
```

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

```
.background{ background-color: rgb(156,  
208, 178) }
```

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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