

Converting Colors

$Y_{xy}(40.2752, 0.2951, 0.3616)$

Have a look what the booklet for
Yxy(40.2752, 0.2951, 0.3616)
contains.

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Color

Yxy(40.1121, 0.2946, 0.3606)

Conversions

Conversions Part 1

Format	Color
Hex	8AB39E
RGB	138, 179, 158
RGB Percent	54%, 70%, 62%
CMY	0.4589, 0.2980, 0.3805
CMYK	0.23, 0.00, 0.12, 0.30
HSL	149°, 21%, 62%
HSV	149°, 23%, 70%
XYZ	32.7705, 40.1121, 38.3546
YIQ	164.3470, -17.6950, -15.2230

Conversions

Conversions Part 2

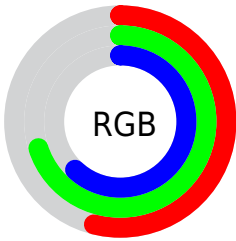
Format	Color
RYB	138, 166, 179
Decimal	9089950
CIELab	69.55, -18.14, 6.25
CIELCh	70, 19.189, 160.989
Yxy	40.1121, 0.2946, 0.3606
Android (android.graphics.Color)	4287280030 (0xFF8AB39E)
YUV	164.3470, -3.1291, -23.1063
Hunter-Lab	63.3341, -18.4749, 8.4284

Details

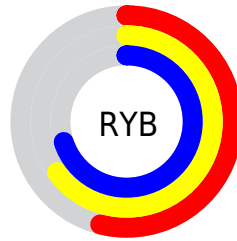
The Yxy color **40.1121, 0.2946, 0.3606** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **30.2630, 0.3358, 0.2994**, and the grayscale version is **37.3193, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.4272, 0.2979, 0.3540**, and **18.0095, 0.2884, 0.3698** is the 20% darker color. If you saturate the color by 10%, you get **38.4065, 0.2874, 0.3768**, and if you desaturate by 10%, it is **42.0963, 0.3023, 0.3458**.

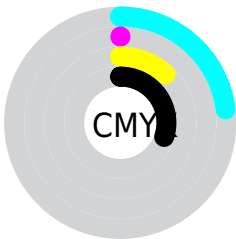
Distribution



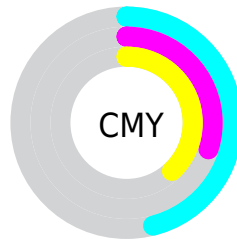
- Red (54%)
- Green (70%)
- Blue (62%)



- Red (54%)
- Yellow (65%)
- Blue (70%)



- Cyan (23%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)





- Cyan (46%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.1121, 0.2946, 0.3606 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 40.1121, 0.2946, 0.3606 by changing the saturation by 10% instead.


 40.1121, 0.2946,
0.3606


 40.1121, 0.2946,
0.3606


346.5958, 0.3041,
0.3441


 27.6260, 0.2921,
0.3650


 75.3342, 0.2981,
0.3544

 18.0439, 0.2888,
0.3708


 98.8389, 0.2994,
0.3521

 10.9815, 0.2843,
0.3788


 126.7853, 0.3005,
0.3502

 6.0544, 0.2776,
0.3907

159.5577, 0.3014,
0.3486

 2.8782, 0.2669,
0.4099

197.5406, 0.3022,
0.3472

 1.0685, 0.2397,
0.4557

241.1183, 0.3029,

 0.0000, 0.0000,

0.3460

0.0000

290.6753, 0.3035,
0.3450

■ 40.1121, 0.2946,
0.3606

■ 40.1121, 0.2946,
0.3606

■ 38.4065, 0.2874,
0.3768

■ 42.0963, 0.3023,
0.3458

■ 36.9617, 0.2810,
0.3944

■ 44.3660, 0.3104,
0.3326

■ 35.7653, 0.2757,
0.4132

■ 46.9341, 0.3185,
0.3208

■ 34.8023, 0.2719,
0.4328

■ 49.8114, 0.3265,
0.3103

■ 34.0556, 0.2698,
0.4528

■ 53.0078, 0.3343,
0.3012

■ 33.5059, 0.2697,
0.4726

■ 56.5331, 0.3418,
0.2931

■ 33.1300, 0.2715,
0.4917

■ 58.7886, 0.3422,
0.2850

■ 32.9353, 0.2735,
0.5046

■ 59.2948, 0.3346,
0.2762

■ 59.8282, 0.3273,
0.2676

Harmonies

Analogous

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



40.1121, 0.3226, 0.3767



40.1121, 0.2946, 0.3606



40.1121, 0.2722, 0.3351

Triad

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



40.1121, 0.2946, 0.3606



40.1121, 0.2765, 0.2824



40.1121, 0.3679, 0.3448

Complementary

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



40.1121, 0.2946, 0.3606



30.2630, 0.3358, 0.2994

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.



40.1121, 0.3545, 0.3212



40.1121, 0.2946, 0.3606



40.1121, 0.3009, 0.2863

Square

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



40.1121, 0.2946, 0.3606



40.1121, 0.2621, 0.2903



40.1121, 0.3296, 0.3002



40.1121, 0.3656, 0.3658

Rectangle

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



40.1121, 0.2946, 0.3606



40.1121, 0.2630, 0.3173



40.1121, 0.3296, 0.3002



40.1121, 0.3651, 0.3370

Sweetspot

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



40.1138, 0.2946, 0.3606



77.6777, 0.3070, 0.3380



41.4676, 0.3284, 0.3886



17.1563, 0.3065, 0.3388



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



40.1138, 0.2946, 0.3606



70.3873, 0.2912, 0.3678



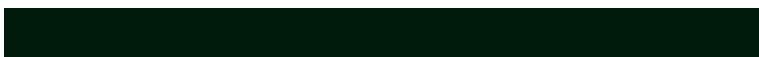
40.8731, 0.2798, 0.3299



9.5568, 0.3052, 0.3409



23.2846, 0.2729, 0.5025



0.7444, 0.2583, 0.4499

Inverse Universe

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



30.2630, 0.3358, 0.2994



49.9291, 0.3416, 0.2933



29.6139, 0.3581, 0.3282



8.5756, 0.3210, 0.3174



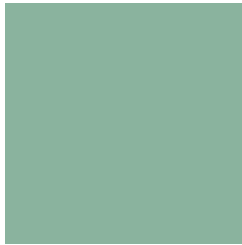
7.3285, 0.4876, 0.2460



0.2423, 0.4293, 0.2139

Previews

White Background



This preview shows how the Yxy color 40.1121, 0.2946, 0.3606 looks on a white background.

Color Contrast Check

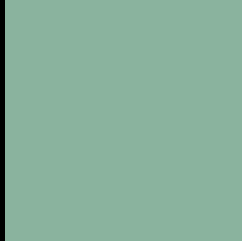
Large Text (above 18pt) WCAG AA × Fail

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 40.1121, 0.2946, 0.3606 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

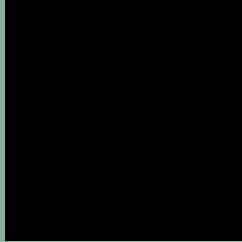
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.1121, 0.2946, 0.3606

Background



This preview shows how black text looks on a background with the Yxy color 40.1121, 0.2946, 0.3606.



This preview shows how white text looks on a background with the Yxy color 40.1121, 0.2946, 0.3606.

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

40.1121, 0.2946, 0.3606

Protanopia

39.9059, 0.3331, 0.3513

Deuteranopia

39.9429, 0.3393, 0.3331



Tritanopia

40.2634, 0.2764, 0.3090

Trichromacy



Original Color

40.1121, 0.2946, 0.3606

Protanomaly

39.9351, 0.3178, 0.3549

Deuteranomaly

39.4600, 0.3213, 0.3417

Tritanomaly

40.0158, 0.2828, 0.3260

Monochromacy



Original Color

40.1121, 0.2946, 0.3606

Achromatopsia

37.1238, 0.3127, 0.3290

Achromatomaly

37.9531, 0.3059, 0.3392

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1121, 0.2946, 0.3606 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(138, 179, 158)` looks like.

```
.text, #text, p{  
    color:rgb(138, 179, 158)  
}
```

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(138, 179, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 179, 158) }
```

Border

The CSS property to change the border of an element to Yxy 40.1121, 0.2946, 0.3606 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(138, 179, 158) }
```

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

```
.border{ border-color:rgb(138, 179, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 179, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 179, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 179, 158);  
box-shadow:4px 4px 4px 4px rgb(138, 179,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1121, 0.2946, 0.3606 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 179, 158) }
```

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

```
.background{ background-color: rgb(138,  
179, 158) }
```

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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