

Converting Colors

$Yxy(40.5953, 0.2697, 0.3154)$

Have a look what the booklet for
Yxy(40.5953, 0.2697, 0.3154)
contains.

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Color

Yxy(40.4582, 0.2694, 0.3144)

Conversions

Conversions Part 1

Format	Color
Hex	85B2BC
RGB	133, 178, 188
RGB Percent	52%, 70%, 74%
CMY	0.4785, 0.3019, 0.2627
CMYK	0.29, 0.05, 0.00, 0.26
HSL	191°, 29%, 63%
HSV	191°, 29%, 74%
XYZ	34.6674, 40.4582, 53.5582
YIQ	165.6850, -30.0300, -6.4300

Conversions

Conversions Part 2

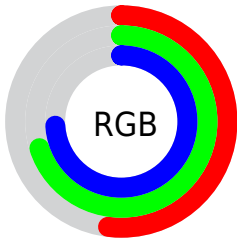
Format	Color
RYB	133, 158, 188
Decimal	8762044
CIELab	69.79, -12.56, -9.96
CIElCh	70, 16.028, 218.398
Yxy	40.4582, 0.2694, 0.3144
Android (android.graphics.Color)	4286952124 (0xFF85B2BC)
YUV	165.6850, 11.0013, -28.6647
Hunter-Lab	63.6068, -14.0244, -5.3987

Details

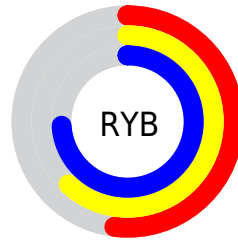
The Yxy color **40.4582, 0.2694, 0.3144** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **32.0200, 0.3727, 0.3431**, and the grayscale version is **37.9288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9421, 0.2772, 0.3178**, and **18.1658, 0.2564, 0.3084** is the 20% darker color. If you saturate the color by 10%, you get **37.7226, 0.2560, 0.3086**, and if you desaturate by 10%, it is **43.5047, 0.2837, 0.3198**.

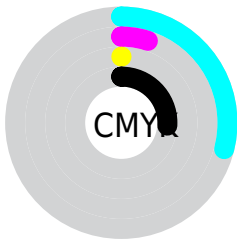
Distribution



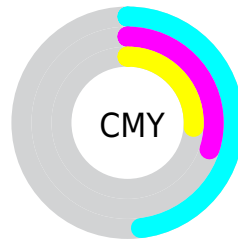
- Red (52%)
- Green (70%)
- Blue (74%)



- Red (52%)
- Yellow (62%)
- Blue (74%)



- Cyan (29%)
- Magenta (5%)
- Yellow (0%)
- Black (26%)





- Cyan (48%)
- Magenta (30%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4582, 0.2694, 0.3144 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 40.4582, 0.2694, 0.3144 by changing the saturation by 10% instead.


 40.4582, 0.2694,
0.3144


 40.4582, 0.2694,
0.3144

348.0510, 0.2913,
0.3222

 27.8960, 0.2639,
0.3123


 75.8607, 0.2774,
0.3174

 18.2473, 0.2568,
0.3095


 99.4698, 0.2804,
0.3184

 11.1277, 0.2473,
0.3056


 127.5300, 0.2829,
0.3193

 6.1528, 0.2340,
0.2998

160.4257, 0.2851,
0.3201

 2.9382, 0.2140,
0.2905

198.5412, 0.2869,
0.3207

 1.0995, 0.1802,
0.2736

242.2611, 0.2885,

 0.0000, 0.0000,

0.3213

0.0000

291.9695, 0.2900,
0.3218

■ 40.4582, 0.2694,
0.3144

■ 40.4582, 0.2694,
0.3144

■ 37.7226, 0.2560,
0.3086

■ 43.5047, 0.2837,
0.3198

■ 35.2782, 0.2439,
0.3026

■ 46.8709, 0.2986,
0.3248

■ 33.1104, 0.2332,
0.2962

■ 50.5715, 0.3138,
0.3293

■ 31.2012, 0.2243,
0.2898

■ 54.6185, 0.3291,
0.3334

■ 29.5303, 0.2172,
0.2832

■ 59.0233, 0.3443,
0.3371

■ 28.0736, 0.2121,
0.2767

■ 63.7969, 0.3591,
0.3403

■ 26.7878, 0.2085,
0.2703

■ 67.0876, 0.3657,
0.3436

■ 26.6963, 0.2083,
0.2698

■ 68.7065, 0.3648,
0.3471

■ 70.3610, 0.3639,
0.3505

Harmonies

Analogous

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



40.4582, 0.2802, 0.3362



40.4582, 0.2694, 0.3144



40.4582, 0.2697, 0.2978

Triad

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



40.4582, 0.2694, 0.3144



40.4582, 0.3248, 0.3035



40.4582, 0.3444, 0.3694

Complementary

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



40.4582, 0.2694, 0.3144



32.0200, 0.3727, 0.3431

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.



40.4582, 0.3574, 0.3586



40.4582, 0.2694, 0.3144



40.4582, 0.3460, 0.3209

Square

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



40.4582, 0.2694, 0.3144



40.4582, 0.3010, 0.2924



40.4582, 0.3581, 0.3408



40.4582, 0.3231, 0.3690

Rectangle

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



40.4582, 0.2694, 0.3144



40.4582, 0.2762, 0.2916



40.4582, 0.3581, 0.3408



40.4582, 0.3499, 0.3669

Sweetspot

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



40.4598, 0.2694, 0.3144



85.0233, 0.2988, 0.3248



42.9086, 0.3023, 0.3985



18.0844, 0.2966, 0.3241



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.4598, 0.2694, 0.3144



70.1359, 0.2608, 0.3108



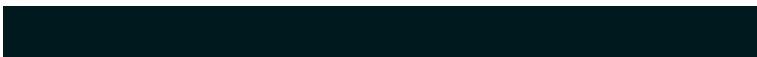
30.8516, 0.2651, 0.2738



10.5068, 0.2985, 0.3247



18.2758, 0.2085, 0.2706



0.7940, 0.2128, 0.2861

Inverse Universe

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



30.6752, 0.3262, 0.2693



49.8847, 0.3298, 0.2563



41.0061, 0.3627, 0.3786



9.6657, 0.3165, 0.3104



8.8746, 0.3722, 0.1824



0.3555, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 40.4582, 0.2694, 0.3144 looks on a white background.

Color Contrast Check

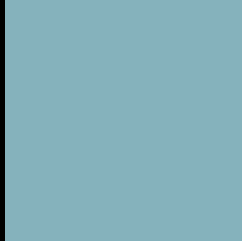
Large Text (above 18pt) WCAG AA × Fail

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 40.4582, 0.2694, 0.3144 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

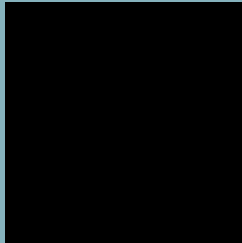
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.4582, 0.2694, 0.3144

Background



This preview shows how black text looks on a background with the Yxy color 40.4582, 0.2694, 0.3144.

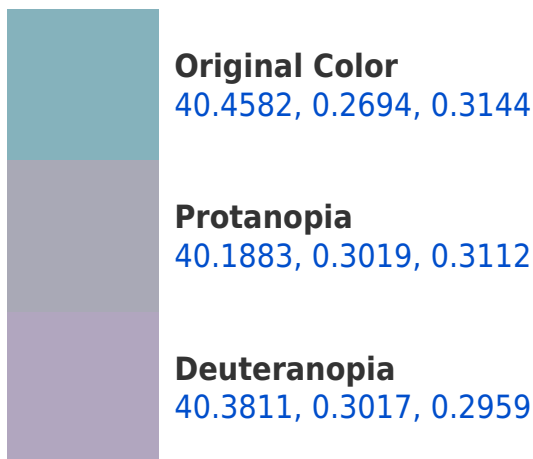


This preview shows how white text looks on a background with the Yxy color 40.4582, 0.2694, 0.3144.

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





Tritanopia

40.3184, 0.2673, 0.3073

Trichromacy



Original Color

40.4582, 0.2694, 0.3144

Protanomaly

40.0337, 0.2894, 0.3121

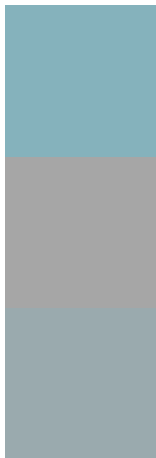
Deuteranomaly

40.0442, 0.2888, 0.3015

Tritanomaly

40.2742, 0.2680, 0.3087

Monochromacy



Original Color

40.4582, 0.2694, 0.3144

Achromatopsia

38.1326, 0.3127, 0.3290

Achromatomaly

38.6755, 0.2953, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.4582, 0.2694, 0.3144 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(133, 178, 188)` looks like.

```
.text, #text, p{  
    color:rgb(133, 178, 188)  
}
```

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(133, 178, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 178, 188) }
```

Border

The CSS property to change the border of an element to Yxy 40.4582, 0.2694, 0.3144 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(133, 178, 188) }
```

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

```
.border{ border-color:rgb(133, 178, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 178, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 178, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 178, 188);  
box-shadow:4px 4px 4px 4px rgb(133, 178,  
188) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4582, 0.2694, 0.3144 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 178, 188) }
```

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

```
.background{ background-color: rgb(133,  
178, 188) }
```

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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