

Converting Colors

$Y_{xy}(40.0559, 0.2755, 0.3216)$

Have a look what the booklet for
Yxy(40.0559, 0.2755, 0.3216)
contains.

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Color

Yxy(40.0559, 0.2755, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	88B1B6
RGB	136, 177, 182
RGB Percent	53%, 69%, 71%
CMY	0.4668, 0.3058, 0.2862
CMYK	0.25, 0.03, 0.00, 0.29
HSL	187°, 24%, 62%
HSV	187°, 25%, 71%
XYZ	34.3141, 40.0559, 50.1820
YIQ	165.3110, -26.0410, -7.1370

Conversions

Conversions Part 2

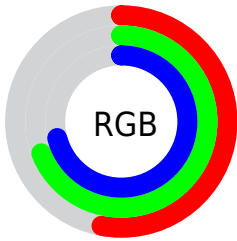
Format	Color
RYB	136, 158, 182
Decimal	8958390
CIELab	69.51, -12.55, -7.06
CIElCh	70, 14.397, 209.352
Yxy	40.0559, 0.2755, 0.3216
Android (android.graphics.Color)	4287148470 (0xFF88B1B6)
YUV	165.3110, 8.2277, -25.7057
Hunter-Lab	63.2897, -13.9789, -2.7078

Details

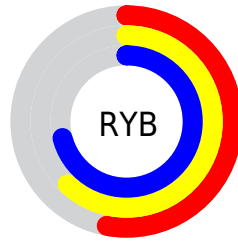
The Yxy color $40.0559, 0.2755, 0.3216$ is a light color, and the websafe version is hex `99CCCC`. A complement of this color would be $30.7579, 0.3635, 0.3363$, and the grayscale version is $37.7501, 0.3127, 0.3290$.

A 20% lighter version of the original color is $75.3980, 0.2822, 0.3233$, and $17.9316, 0.2650, 0.3185$ is the 20% darker color. If you saturate the color by 10%, you get $37.8871, 0.2623, 0.3183$, and if you desaturate by 10%, it is $42.4980, 0.2897, 0.3247$.

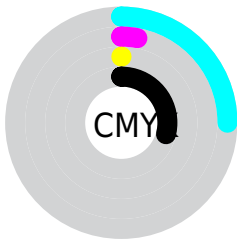
Distribution



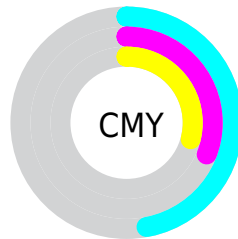
- Red (53%)
- Green (69%)
- Blue (71%)



- Red (53%)
- Yellow (62%)
- Blue (71%)



- Cyan (25%)
- Magenta (3%)
- Yellow (0%)
- Black (29%)





- Cyan (47%)
- Magenta (31%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0559, 0.2755, 0.3216 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 40.0559, 0.2755, 0.3216 by changing the saturation by 10% instead.


 40.0559, 0.2755,
0.3216


 40.0559, 0.2755,
0.3216

346.3591, 0.2944,
0.3257


 27.5821, 0.2707,
0.3205


 75.2486, 0.2824,
0.3232

 18.0109, 0.2645,
0.3190


 98.7364, 0.2850,
0.3237

 10.9578, 0.2562,
0.3168


 126.6642, 0.2872,
0.3242

 6.0385, 0.2444,
0.3135

159.4166, 0.2890,
0.3246

 2.8685, 0.2265,
0.3081

197.3779, 0.2906,
0.3249

 1.0635, 0.1946,
0.2981

240.9325, 0.2920,

 0.0000, 0.0000,

0.3252

0.0000

290.4648, 0.2933,
0.3254

■ 40.0559, 0.2755,
0.3216

■ 40.0559, 0.2755,
0.3216

■ 37.8871, 0.2623,
0.3183

■ 42.4980, 0.2897,
0.3247

■ 35.9736, 0.2503,
0.3148

■ 45.2206, 0.3046,
0.3276

■ 34.3027, 0.2399,
0.3112

■ 48.2369, 0.3200,
0.3302

■ 32.8588, 0.2312,
0.3075

■ 51.5577, 0.3354,
0.3326

■ 31.6241, 0.2244,
0.3037

■ 55.1930, 0.3508,
0.3347

■ 30.5783, 0.2195,
0.3000

■ 59.1527, 0.3660,
0.3365

■ 29.6963, 0.2163,
0.2963

■ 61.8254, 0.3737,
0.3384

■ 29.3123, 0.2152,
0.2946

■ 62.6912, 0.3731,
0.3405

■ 63.5687, 0.3726,
0.3425

Harmonies

Analogous

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



40.0559, 0.2880, 0.3415



40.0559, 0.2755, 0.3216



40.0559, 0.2727, 0.3047

Triad

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



40.0559, 0.2755, 0.3216



40.0559, 0.3172, 0.3022



40.0559, 0.3459, 0.3634

Complementary

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



40.0559, 0.2755, 0.3216



30.7579, 0.3635, 0.3363

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.



40.0559, 0.3544, 0.3515



40.0559, 0.2755, 0.3216



40.0559, 0.3376, 0.3166

Square

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



40.0559, 0.2755, 0.3216



40.0559, 0.2962, 0.2943



40.0559, 0.3514, 0.3344



40.0559, 0.3285, 0.3662

Rectangle

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



40.0559, 0.2755, 0.3216



40.0559, 0.2765, 0.2973



40.0559, 0.3514, 0.3344



40.0559, 0.3499, 0.3603

Sweetspot

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



40.0575, 0.2755, 0.3216



80.5256, 0.3003, 0.3268



40.5994, 0.3060, 0.3925



17.6189, 0.2981, 0.3264



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



40.0575, 0.2755, 0.3216



70.5097, 0.2685, 0.3199



31.8443, 0.2725, 0.2872



10.0397, 0.2985, 0.3264



20.7576, 0.2153, 0.2950



0.7797, 0.2179, 0.3045

Inverse Universe

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



30.7171, 0.3206, 0.2733



50.9860, 0.3225, 0.2618



38.1256, 0.3560, 0.3675



9.1455, 0.3154, 0.3089



8.8778, 0.3499, 0.1701



0.3178, 0.3415, 0.1655

Previews

White Background



This preview shows how the Yxy color 40.0559, 0.2755, 0.3216 looks on a white background.

Color Contrast Check

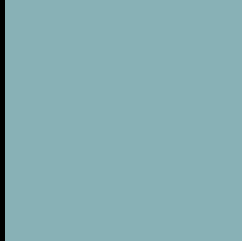
Large Text (above 18pt) WCAG AA × Fail

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 40.0559, 0.2755, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

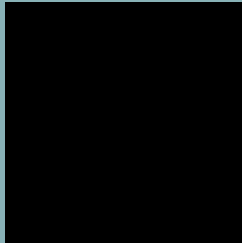
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

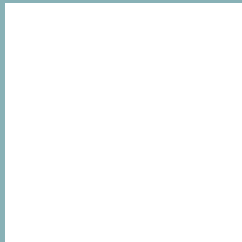
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0559, 0.2755, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 40.0559, 0.2755, 0.3216.



This preview shows how white text looks on a background with the Yxy color 40.0559, 0.2755, 0.3216.

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

40.0559, 0.2755, 0.3216

Protanopia

39.7256, 0.3070, 0.3166

Deuteranopia

39.9968, 0.3085, 0.3024



Tritanopia

40.1716, 0.2714, 0.3088

Trichromacy



Original Color

40.0559, 0.2755, 0.3216

Protanomaly

39.6496, 0.2948, 0.3177

Deuteranomaly

39.6232, 0.2951, 0.3082

Tritanomaly

39.9569, 0.2727, 0.3130

Monochromacy



Original Color

40.0559, 0.2755, 0.3216

Achromatopsia

37.6262, 0.3127, 0.3290

Achromatomaly

38.1862, 0.2977, 0.3261

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0559, 0.2755, 0.3216 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(136, 177, 182)` looks like.

```
.text, #text, p{  
    color:rgb(136, 177, 182)  
}
```

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(136, 177, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 177, 182) }
```

Border

The CSS property to change the border of an element to Yxy 40.0559, 0.2755, 0.3216 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(136, 177, 182) }
```

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

```
.border{ border-color:rgb(136, 177, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 177, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 177, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 177, 182);  
box-shadow:4px 4px 4px 4px rgb(136, 177,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0559, 0.2755, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 177, 182) }
```

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

```
.background{ background-color: rgb(136,  
177, 182) }
```

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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