

Converting Colors

$Y_{xy}(34.7771, 0.2257, 0.2949)$

Have a look what the booklet for
Yxy(34.7771, 0.2257, 0.2949)
contains.

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Color

Yxy(34.7743, 0.2260, 0.2954)

Conversions

Conversions Part 1

Format	Color
Hex	3DADC2
RGB	61, 173, 194
RGB Percent	24%, 68%, 76%
CMY	0.7607, 0.3216, 0.2393
CMYK	0.69, 0.11, 0.00, 0.24
HSL	189°, 52%, 50%
HSV	189°, 69%, 76%
XYZ	26.6046, 34.7743, 56.3405
YIQ	141.9060, -73.4930, -17.2130

Conversions

Conversions Part 2

Format	Color
RYB	61, 122, 194
Decimal	4042178
CIELab	65.57, -24.53, -19.92
CIELCh	66, 31.604, 219.077
Yxy	34.7743, 0.2260, 0.2954
Android (android.graphics.Color)	4282232258 (0xFF3DADC2)
YUV	141.9060, 25.6823, -70.9546
Hunter-Lab	58.9697, -22.6656, -15.3677

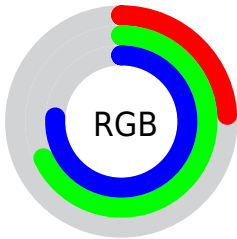
Details

The Yxy color **34.7743, 0.2260, 0.2954** is a dark color, and the websafe version is hex **339999**.

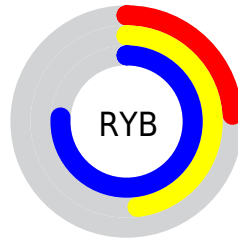
The color can be described as middle muted azure. A complement of this color would be **17.8386, 0.5177, 0.3538**, and the grayscale version is **26.9312, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.3636, 0.2420, 0.3025**, and **15.3264, 0.2123, 0.2841** is the 20% darker color. If you saturate the color by 10%, you get **33.1066, 0.2192, 0.2898**, and if you desaturate by 10%, it is **36.6940, 0.2347, 0.3010**.

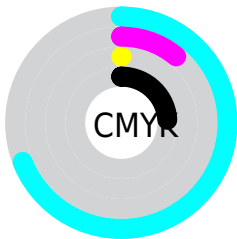
Distribution



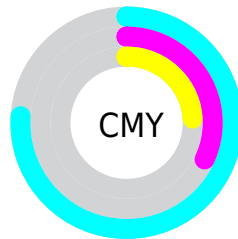
- Red (24%)
- Green (68%)
- Blue (76%)



- Red (24%)
- Yellow (48%)
- Blue (76%)



- Cyan (69%)
- Magenta (11%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7743, 0.2260, 0.2954 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 34.7743, 0.2260, 0.2954 by changing the saturation by 10% instead.


 34.7743, 0.2260,
0.2954


 34.7743, 0.2260,
0.2954


323.5710, 0.2699,
0.3142


 23.4891, 0.2150,
0.2901


 67.1360, 0.2420,
0.3027

 14.9550, 0.2010,
0.2829


 88.9812, 0.2480,
0.3053

 8.7878, 0.1825,
0.2728


 115.1152, 0.2530,
0.3074

 4.6031, 0.1574,
0.2575

 145.9224, 0.2574,
0.3092

 2.0163, 0.1218,
0.2326

 181.7872, 0.2611,
0.3107

 0.6169, 0.0000,
0.1957

223.0940, 0.2644,

 0.0000, 0.0000,

0.3120

0.0000

270.2271, 0.2673,
0.3132

■ 34.7743, 0.2260,
0.2954

■ 34.7743, 0.2260,
0.2954

■ 33.1066, 0.2192,
0.2898

■ 36.6940, 0.2347,
0.3010

■ 31.6616, 0.2142,
0.2842

■ 38.8837, 0.2452,
0.3064

■ 30.3994, 0.2110,
0.2786

■ 41.3637, 0.2572,
0.3117

■ 30.2227, 0.2105,
0.2778

■ 44.1515, 0.2705,
0.3166

■ 47.2629, 0.2848,
0.3213

■ 50.7125, 0.2997,
0.3256

■ 54.5141, 0.3149,
0.3295

■ 58.6807, 0.3303,
0.3331

■ 63.2244, 0.3456,
0.3363

Harmonies

Analogous

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



34.7743, 0.2456, 0.3415



34.7743, 0.2260, 0.2954



34.7743, 0.2274, 0.2638

Triad

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



34.7743, 0.2260, 0.2954



34.7743, 0.3378, 0.2791



34.7743, 0.3757, 0.4126

Complementary

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



34.7743, 0.2260, 0.2954



17.8386, 0.5177, 0.3538

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.



34.7743, 0.4047, 0.3873



34.7743, 0.2260, 0.2954



34.7743, 0.3829, 0.3121

Square

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



34.7743, 0.2260, 0.2954



34.7743, 0.2886, 0.2574



34.7743, 0.4080, 0.3506



34.7743, 0.3310, 0.4148

Rectangle

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



34.7743, 0.2260, 0.2954



34.7743, 0.2398, 0.2534



34.7743, 0.4080, 0.3506



34.7743, 0.3877, 0.4062

Sweetspot

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



34.7756, 0.2260, 0.2954



84.0108, 0.2807, 0.3200



40.1637, 0.2940, 0.5203



18.0467, 0.2767, 0.3187



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.



34.7756, 0.2260, 0.2954



58.6981, 0.2166, 0.2871



15.5181, 0.1983, 0.1812



11.1490, 0.2984, 0.3253



19.9726, 0.2107, 0.2786



0.9373, 0.2142, 0.2909

Inverse Universe

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



17.8237, 0.3472, 0.1967



27.8461, 0.3561, 0.1831



32.8110, 0.4456, 0.4353



10.2193, 0.3161, 0.3098



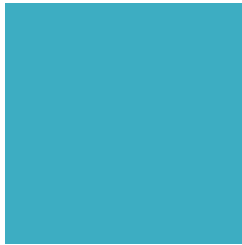
9.2985, 0.3648, 0.1783



0.4093, 0.3535, 0.1721

Previews

White Background



This preview shows how the Yxy color 34.7743, 0.2260, 0.2954 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 34.7743, 0.2260, 0.2954 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

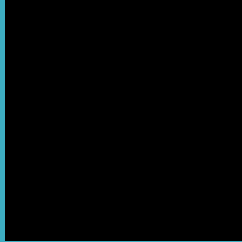
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7743, 0.2260, 0.2954

Background



This preview shows how black text looks on a background with the Yxy color 34.7743, 0.2260, 0.2954.

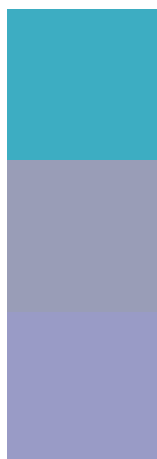


This preview shows how white text looks on a background with the Yxy color 34.7743, 0.2260, 0.2954.

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

34.7743, 0.2260, 0.2954

Protanopia

34.3051, 0.2867, 0.2915

Deuteranopia

34.2922, 0.2748, 0.2689



Tritanopia

34.8025, 0.2283, 0.3061

Trichromacy



Original Color

34.7743, 0.2260, 0.2954

Protanomaly

33.7753, 0.2580, 0.2923

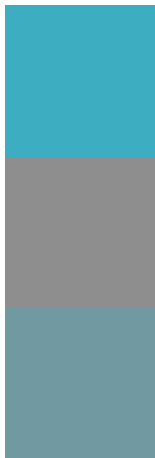
Deuteranomaly

33.8649, 0.2513, 0.2768

Tritanomaly

34.9196, 0.2277, 0.3031

Monochromacy



Original Color

34.7743, 0.2260, 0.2954

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.8664, 0.2693, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7743, 0.2260, 0.2954 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(61, 173, 194)` looks like.

```
.text, #text, p{  
    color:rgb(61, 173, 194)  
}
```

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(61, 173, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 173, 194) }
```

Border

The CSS property to change the border of an element to Yxy 34.7743, 0.2260, 0.2954 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(61, 173, 194) }
```

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

```
.border{ border-color:rgb(61, 173, 194) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 173, 194)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 173, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 173, 194);  
box-shadow:4px 4px 4px 4px rgb(61, 173,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7743, 0.2260, 0.2954 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 173, 194) }
```

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

```
.background{ background-color: rgb(61, 173,  
194) }
```

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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