

Converting Colors

$Y_{xy}(42.0701, 0.2753, 0.3343)$

Have a look what the booklet for
Yxy(42.0701, 0.2753, 0.3343)
contains.

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Color

Yxy(42.0272, 0.2755, 0.3347)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 84B7B3 |
| RGB | 132, 183, 179 |
| RGB Percent | 52%, 72%, 70% |
| CMY | 0.4821, 0.2824, 0.2980 |
| CMYK | 0.28, 0.00, 0.02, 0.28 |
| HSL | 175°, 26%, 62% |
| HSV | 175°, 28%, 72% |
| XYZ | 34.5936, 42.0272, 48.9459 |
| YIQ | 167.2950, -29.1120, -12.0560 |

Conversions

Conversions Part 2

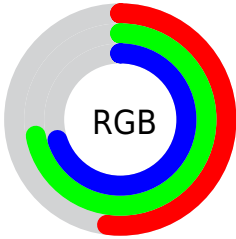
| Format | Color |
|-------------------------------------|---|
| RYB | 132, 159, 183 |
| Decimal | 8697779 |
| CIELab | 70.89, -17.53, -3.40 |
| CIElCh | 71, 17.861, 190.969 |
| Yxy | 42.0272, 0.2755, 0.3347 |
| Android (android.graphics.Color) | 4286887859 (0xFF84B7B3) |
| YUV | 167.2950, 5.7706, -30.9537 |
| Hunter-Lab | 64.8284, -18.1987, 0.6155 |

Details

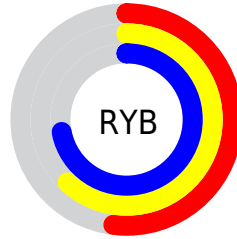
The Yxy color **42.0272, 0.2755, 0.3347** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **28.3625, 0.3676, 0.3235**, and the grayscale version is **38.7834, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1703, 0.2819, 0.3334**, and **19.1771, 0.2647, 0.3371** is the 20% darker color. If you saturate the color by 10%, you get **40.6225, 0.2641, 0.3370**, and if you desaturate by 10%, it is **43.6947, 0.2881, 0.3325**.

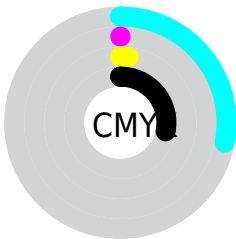
Distribution



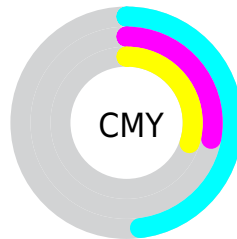
- Red (52%)
- Green (72%)
- Blue (70%)



- Red (52%)
- Yellow (62%)
- Blue (72%)



- Cyan (28%)
- Magenta (0%)
- Yellow (2%)
- Black (28%)





- Cyan (48%)
- Magenta (28%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.0272, 0.2755, 0.3347 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 42.0272, 0.2755, 0.3347 by changing the saturation by 10% instead.


 42.0272, 0.2755,
0.3347


 42.0272, 0.2755,
0.3347


354.5957, 0.2943,
0.3320


 29.1226, 0.2708,
0.3353


 78.2408, 0.2824,
0.3338

 19.1736, 0.2646,
0.3361


 102.3186, 0.2849,
0.3334

 11.7958, 0.2564,
0.3371


 130.8895, 0.2871,
0.3331

 6.6048, 0.2449,
0.3383

164.3380, 0.2889,
0.3328

 3.2162, 0.2275,
0.3399

203.0485, 0.2906,
0.3326

 1.2456, 0.1972,
0.3422

247.4053, 0.2920,

 0.0985, 0.0000,

0.3324

0.2222

297.7929, 0.2932,
0.3322

0.0000, 0.0000,
0.0000

42.0272, 0.2755,
0.3347

42.0272, 0.2755,
0.3347

40.6225, 0.2641,
0.3370

43.6947, 0.2881,
0.3325

39.4620, 0.2542,
0.3395

45.6324, 0.3016,
0.3305

38.5326, 0.2460,
0.3421

47.8538, 0.3158,
0.3286

37.8181, 0.2397,
0.3447

50.3698, 0.3304,
0.3269

37.2999, 0.2352,
0.3473

53.1910, 0.3452,
0.3255

■ 36.9565, 0.2326,
0.3499

■ 56.3272, 0.3598,
0.3241

■ 36.7546, 0.2316,
0.3525

■ 58.7979, 0.3699,
0.3229

■ 36.7174, 0.2314,
0.3530

■ 58.8602, 0.3686,
0.3214

■ 58.9231, 0.3674,
0.3199

Harmonies

Analogous

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



42.0272, 0.2962, 0.3579



42.0272, 0.2755, 0.3347



42.0272, 0.2647, 0.3109

Triad

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



42.0272, 0.2755, 0.3347



42.0272, 0.3019, 0.2896



42.0272, 0.3612, 0.3628

Complementary

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



42.0272, 0.2755, 0.3347



28.3625, 0.3676, 0.3235

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.



42.0272, 0.3632, 0.3437



42.0272, 0.2755, 0.3347



42.0272, 0.3282, 0.3025

Square

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



42.0272, 0.2755, 0.3347



42.0272, 0.2795, 0.2862



42.0272, 0.3510, 0.3219



42.0272, 0.3458, 0.3739

Rectangle

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



42.0272, 0.2755, 0.3347



42.0272, 0.2643, 0.2983



42.0272, 0.3510, 0.3219



42.0272, 0.3635, 0.3571

Sweetspot

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



42.0289, 0.2755, 0.3347



81.6251, 0.3012, 0.3305



40.7904, 0.3125, 0.4072



17.9064, 0.2991, 0.3308



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.



42.0289, 0.2755, 0.3347



73.7872, 0.2688, 0.3360



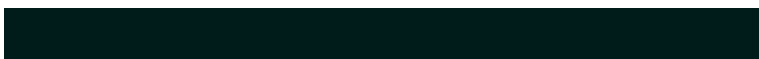
34.0878, 0.2696, 0.2970



10.1982, 0.2995, 0.3308



25.6221, 0.2313, 0.3527



0.9068, 0.2295, 0.3460

Inverse Universe

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



28.3625, 0.3676, 0.3235



45.5054, 0.3835, 0.3223



34.6077, 0.3644, 0.3589



9.0233, 0.3276, 0.3273



7.0500, 0.6300, 0.3244



0.2524, 0.5929, 0.3040

Previews

White Background



This preview shows how the Yxy color 42.0272, 0.2755, 0.3347 looks on a white background.

Color Contrast Check

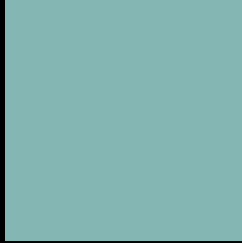
Large Text (above 18pt) WCAG AA × Fail

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 42.0272, 0.2755, 0.3347 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

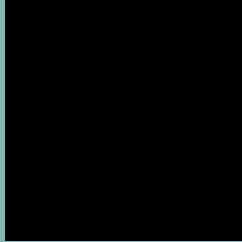
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

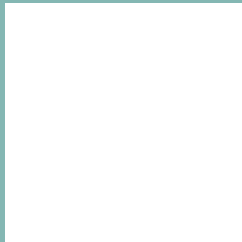
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.0272, 0.2755, 0.3347

Background



This preview shows how black text looks on a background with the Yxy color 42.0272, 0.2755, 0.3347.

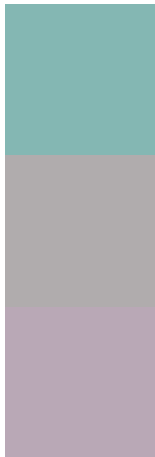


This preview shows how white text looks on a background with the Yxy color 42.0272, 0.2755, 0.3347.

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

42.0272, 0.2755, 0.3347

Protanopia

41.7523, 0.3155, 0.3277

Deuteranopia

41.6970, 0.3163, 0.3107



Tritanopia

42.2221, 0.2674, 0.3091

Trichromacy



Original Color

42.0272, 0.2755, 0.3347

Protanomaly

41.6194, 0.2997, 0.3304

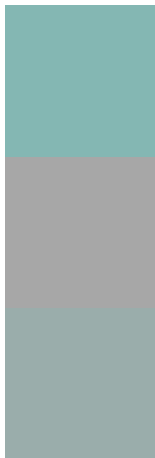
Deuteranomaly

41.3303, 0.3001, 0.3180

Tritanomaly

42.2809, 0.2708, 0.3189

Monochromacy



Original Color

42.0272, 0.2755, 0.3347

Achromatopsia

38.6429, 0.3127, 0.3290

Achromatomaly

39.6974, 0.2978, 0.3318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.0272, 0.2755, 0.3347 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(132, 183, 179)` looks like.

```
.text, #text, p{  
    color:rgb(132, 183, 179)  
}
```

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(132, 183, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 183, 179) }
```

Border

The CSS property to change the border of an element to Yxy 42.0272, 0.2755, 0.3347 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(132, 183, 179) }
```

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

```
.border{ border-color:rgb(132, 183, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 183, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 183, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 183, 179);  
box-shadow:4px 4px 4px 4px rgb(132, 183,  
179) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 42.0272, 0.2755, 0.3347$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 183, 179) }
```

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

```
.background{ background-color: rgb(132,  
183, 179) }
```

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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