

Converting Colors

$Y_{xy}(34.4202, 0.2720, 0.3275)$

Have a look what the booklet for
Yxy(34.4202, 0.2720, 0.3275)
contains.

Yxy(34.4577, 0.2720, 0.3273)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(34.4577, 0.2720, 0.3273)

Conversions

Conversions Part 1

Format	Color
Hex	78A7A8
RGB	120, 167, 168
RGB Percent	47%, 65%, 66%
CMY	0.5293, 0.3451, 0.3412
CMYK	0.29, 0.01, 0.00, 0.34
HSL	181°, 22%, 56%
HSV	181°, 29%, 66%
XYZ	28.6358, 34.4577, 42.1852
YIQ	153.0610, -28.3330, -9.6530

Conversions

Conversions Part 2

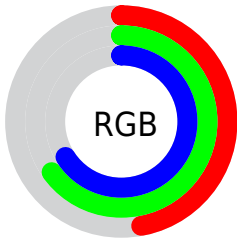
Format	Color
RYB	120, 144, 168
Decimal	7907240
CIELab	65.32, -15.34, -5.59
CIElCh	65, 16.329, 200.010
Yxy	34.4577, 0.2720, 0.3273
Android (android.graphics.Color)	4286097320 (0xFF78A7A8)
YUV	153.0610, 7.3649, -28.9945
Hunter-Lab	58.7007, -15.6490, -1.5182

Details

The Yxy color **34.4577, 0.2720, 0.3273** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.3656, 0.3734, 0.3307**, and the grayscale version is **31.8635, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5689, 0.2801, 0.3277**, and **14.7876, 0.2592, 0.3266** is the 20% darker color. If you saturate the color by 10%, you get **33.2328, 0.2599, 0.3266**, and if you desaturate by 10%, it is **35.8965, 0.2854, 0.3279**.

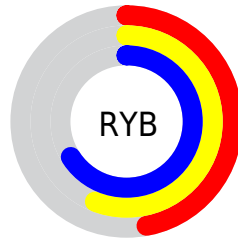
Distribution



Red (47%)

Green (65%)

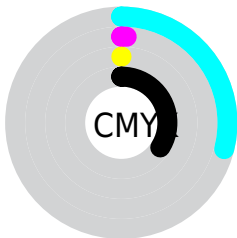
Blue (66%)



Red (47%)

Yellow (56%)

Blue (66%)

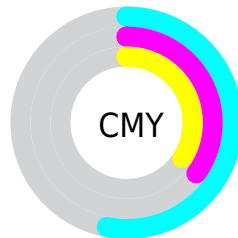


Cyan (29%)

Magenta (1%)

Yellow (0%)

Black (34%)



Cyan (53%)


Magenta (35%)


Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.4577, 0.2720, 0.3273 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 34.4577, 0.2720, 0.3273 by changing the saturation by 10% instead.


 34.4577, 0.2720,
0.3273


 34.4577, 0.2720,
0.3273


322.1681, 0.2932,
0.3285


 23.2454, 0.2665,
0.3269


 66.6448, 0.2799,
0.3278

 14.7748, 0.2592,
0.3263


 88.3884, 0.2828,
0.3280

 8.6615, 0.2492,
0.3253


 114.4113, 0.2852,
0.3281

 4.5211, 0.2347,
0.3235

145.0978, 0.2873,
0.3282

 1.9691, 0.2118,
0.3200

180.8324, 0.2891,
0.3283

 0.5894, 0.1026,
0.3258

221.9993, 0.2906,

 0.0000, 0.0000,

0.3284

0.0000

268.9831, 0.2920,
0.3284

■ 34.4577, 0.2720,
0.3273

■ 34.4577, 0.2720,
0.3273

■ 33.2328, 0.2599,
0.3266

■ 35.8965, 0.2854,
0.3279

■ 32.2067, 0.2493,
0.3260

■ 37.5551, 0.2998,
0.3285

■ 31.3686, 0.2405,
0.3253

■ 39.4447, 0.3150,
0.3291


■ 30.7053, 0.2335,
0.3246

■ 41.5741, 0.3305,
0.3296


■ 30.2018, 0.2284,
0.3239


■ 43.9518, 0.3463,
0.3300

 29.8405, 0.2250,
0.3232

 46.5859, 0.3621,
0.3305

 29.5893, 0.2232,
0.3225

 49.4842, 0.3776,
0.3308

 29.5552, 0.2229,
0.3224

 52.6541, 0.3927,
0.3311

 52.8921, 0.3930,
0.3315

Harmonies

Analogous

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



34.4577, 0.2897, 0.3509



34.4577, 0.2720, 0.3273



34.4577, 0.2650, 0.3054

Triad

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



34.4577, 0.2720, 0.3273



34.4577, 0.3098, 0.2934



34.4577, 0.3568, 0.3664

Complementary

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



34.4577, 0.2720, 0.3273



23.3656, 0.3734, 0.3307

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.



34.4577, 0.3630, 0.3495



34.4577, 0.2720, 0.3273



34.4577, 0.3352, 0.3083

Square

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



34.4577, 0.2720, 0.3273



34.4577, 0.2861, 0.2871



34.4577, 0.3550, 0.3285



34.4577, 0.3386, 0.3739

Rectangle

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



34.4577, 0.2720, 0.3273



34.4577, 0.2670, 0.2948



34.4577, 0.3550, 0.3285



34.4577, 0.3604, 0.3616

Sweetspot

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



34.4591, 0.2720, 0.3273



67.9545, 0.2989, 0.3285



33.3763, 0.3083, 0.4084



14.7145, 0.2968, 0.3284



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



34.4591, 0.2720, 0.3273



61.1373, 0.2645, 0.3269



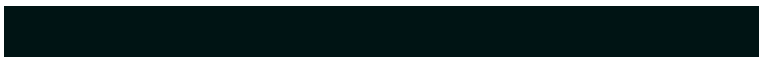
26.5335, 0.2680, 0.2882



8.5048, 0.2987, 0.3285



22.3299, 0.2229, 0.3225



0.5514, 0.2235, 0.3247

Inverse Universe

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



24.5567, 0.3171, 0.2609



40.3261, 0.3180, 0.2466



29.8764, 0.3637, 0.3666



7.6639, 0.3141, 0.3072



8.3253, 0.3261, 0.1570



0.2034, 0.3243, 0.1560

Previews

White Background



This preview shows how the Yxy color 34.4577, 0.2720, 0.3273 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 34.4577, 0.2720, 0.3273 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

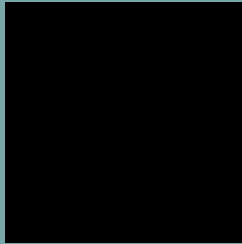
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.4577, 0.2720, 0.3273

Background



This preview shows how black text looks on a background with the Yxy color 34.4577, 0.2720, 0.3273.

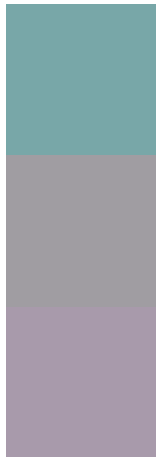


This preview shows how white text looks on a background with the Yxy color 34.4577, 0.2720, 0.3273.

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

34.4577, 0.2720, 0.3273

Protanopia

34.1962, 0.3111, 0.3217

Deuteranopia

34.3763, 0.3109, 0.3049



Tritanopia

34.3025, 0.2653, 0.3073

Trichromacy



Original Color

34.4577, 0.2720, 0.3273

Protanomaly

34.1898, 0.2953, 0.3244

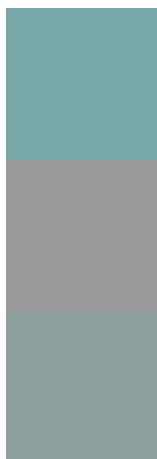
Deuteranomaly

34.2779, 0.2957, 0.3127

Tritanomaly

34.4325, 0.2676, 0.3149

Monochromacy



Original Color

34.4577, 0.2720, 0.3273

Achromatopsia

31.8547, 0.3127, 0.3290

Achromatomaly

32.5851, 0.2966, 0.3290

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.4577, 0.2720, 0.3273 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(120, 167, 168)` looks like.

```
.text, #text, p{  
    color:rgb(120, 167, 168)  
}
```

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(120, 167, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 167, 168) }
```

Border

The CSS property to change the border of an element to Yxy 34.4577, 0.2720, 0.3273 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(120, 167, 168) }
```

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

```
.border{ border-color:rgb(120, 167, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 167, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 167, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 167, 168);  
box-shadow:4px 4px 4px 4px rgb(120, 167,  
168) }
```


Background

The CSS property to change the background color of an element to Yxy 34.4577, 0.2720, 0.3273 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 167, 168) }
```

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

```
.background{ background-color: rgb(120,  
167, 168) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor