

Converting Colors

$Y_{xy}(33.0839, 0.2724, 0.3234)$

Have a look what the booklet for
Yxy(33.0839, 0.2724, 0.3234)
contains.

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Color

Yxy(32.9775, 0.2720, 0.3225)

Conversions

Conversions Part 1

Format	Color
Hex	78A3A7
RGB	120, 163, 167
RGB Percent	47%, 64%, 65%
CMY	0.5296, 0.3607, 0.3450
CMYK	0.28, 0.02, 0.00, 0.35
HSL	185°, 21%, 56%
HSV	185°, 28%, 65%
XYZ	27.8136, 32.9775, 41.4647
YIQ	150.5990, -26.9120, -7.8720

Conversions

Conversions Part 2

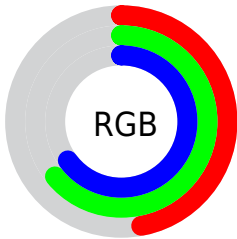
Format	Color
RYB	120, 142, 167
Decimal	7906215
CIELab	64.14, -13.49, -6.79
CIELCh	64, 15.102, 206.718
Yxy	32.9775, 0.2720, 0.3225
Android (android.graphics.Color)	4286096295 (0xFF78A3A7)
YUV	150.5990, 8.0857, -26.8353
Hunter-Lab	57.4260, -14.0413, -2.6124

Details

The Yxy color **32.9775, 0.2720, 0.3225** is a light color, and the websafe version is hex **669999**. A complement of this color would be **23.9751, 0.3711, 0.3354**, and the grayscale version is **30.7375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.4154, 0.2803, 0.3241**, and **13.8719, 0.2588, 0.3196** is the 20% darker color. If you saturate the color by 10%, you get **31.3861, 0.2594, 0.3199**, and if you desaturate by 10%, it is **34.7854, 0.2858, 0.3250**.

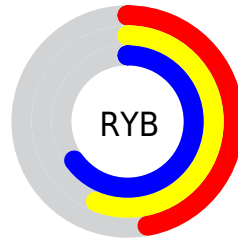
Distribution



Red (47%)

Green (64%)

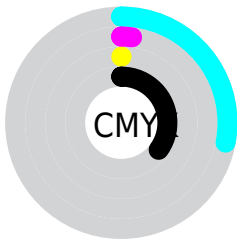
Blue (65%)



Red (47%)

Yellow (56%)

Blue (65%)

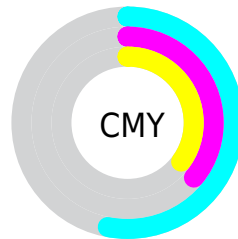


Cyan (28%)

Magenta (2%)

Yellow (0%)

Black (35%)



Cyan (53%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.9775, 0.2720, 0.3225 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 32.9775, 0.2720, 0.3225 by changing the saturation by 10% instead.

 32.9775, 0.2720,
0.3225


 32.9775, 0.2720,
0.3225


315.5483, 0.2933,
0.3262


 22.1092, 0.2664,
0.3214

 64.3404, 0.2800,
0.3240

 13.9372, 0.2590,
0.3198


 85.6038, 0.2829,
0.3245

 8.0770, 0.2487,
0.3175

 111.1010, 0.2853,
0.3249

 4.1442, 0.2338,
0.3138

141.2165, 0.2874,
0.3253

 1.7546, 0.2100,
0.3069

176.3345, 0.2892,
0.3256

 0.4586, 0.0692,
0.2979

216.8396, 0.2907,

 0.0000, 0.0000,

0.3258

0.0000

263.1161, 0.2921,
0.3261

■ 32.9775, 0.2720,
0.3225

■ 32.9775, 0.2720,
0.3225

■ 31.3861, 0.2594,
0.3199

■ 34.7854, 0.2858,
0.3250

■ 29.9965, 0.2481,
0.3172

■ 36.8160, 0.3004,
0.3273

■ 28.7981, 0.2385,
0.3143

■ 39.0800, 0.3155,
0.3294

■ 27.7779, 0.2306,
0.3115

■ 41.5861, 0.3309,
0.3313

■ 26.9212, 0.2246,
0.3086

■ 44.3429, 0.3464,
0.3330

■ 26.2106, 0.2204,
0.3057

■ 47.3583, 0.3617,
0.3345

■ 25.6163, 0.2178,
0.3029

■ 50.6398, 0.3766,
0.3359

■ 25.5121, 0.2173,
0.3024

■ 54.1949, 0.3911,
0.3370

■ 55.0198, 0.3919,
0.3385

Harmonies

Analogous

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



32.9775, 0.2867, 0.3448



32.9775, 0.2720, 0.3225



32.9775, 0.2679, 0.3031

Triad

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



32.9775, 0.2720, 0.3225



32.9775, 0.3155, 0.2980



32.9775, 0.3511, 0.3666

Complementary

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



32.9775, 0.2720, 0.3225



23.9751, 0.3711, 0.3354

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.



32.9775, 0.3597, 0.3524



32.9775, 0.2720, 0.3225



32.9775, 0.3387, 0.3135

Square

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



32.9775, 0.2720, 0.3225



32.9775, 0.2923, 0.2901



32.9775, 0.3551, 0.3331



32.9775, 0.3322, 0.3710

Rectangle

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



32.9775, 0.2720, 0.3225



32.9775, 0.2715, 0.2944



32.9775, 0.3551, 0.3331



32.9775, 0.3553, 0.3628

Sweetspot

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



32.9788, 0.2720, 0.3225



65.9364, 0.3004, 0.3273



33.0840, 0.3059, 0.4017



14.6303, 0.2982, 0.3269



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.



32.9788, 0.2720, 0.3225



57.1740, 0.2637, 0.3208



25.4079, 0.2681, 0.2834



8.4213, 0.2987, 0.3270



19.5538, 0.2174, 0.3026



0.5064, 0.2200, 0.3120

Inverse Universe

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



24.2828, 0.3203, 0.2658



39.0522, 0.3224, 0.2515



30.5652, 0.3616, 0.3706



7.6555, 0.3150, 0.3086



8.0450, 0.3431, 0.1664



0.1988, 0.3350, 0.1619

Previews

White Background



This preview shows how the Yxy color 32.9775, 0.2720, 0.3225 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 32.9775, 0.2720, 0.3225 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

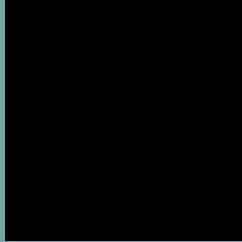
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.9775, 0.2720, 0.3225

Background



This preview shows how black text looks on a background with the Yxy color 32.9775, 0.2720, 0.3225.

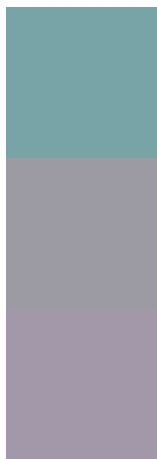


This preview shows how white text looks on a background with the Yxy color 32.9775, 0.2720, 0.3225.

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

32.9775, 0.2720, 0.3225

Protanopia

32.7878, 0.3074, 0.3171

Deuteranopia

32.8220, 0.3071, 0.3015



Tritanopia

33.0734, 0.2676, 0.3086

Trichromacy



Original Color

32.9775, 0.2720, 0.3225

Protanomaly

32.6339, 0.2934, 0.3182

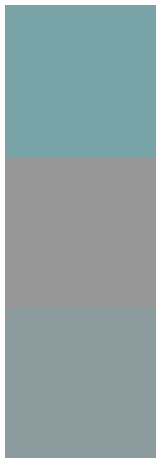
Deuteranomaly

32.5103, 0.2927, 0.3078

Tritanomaly

32.8842, 0.2690, 0.3131

Monochromacy



Original Color

32.9775, 0.2720, 0.3225

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

31.4525, 0.2965, 0.3258

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.9775, 0.2720, 0.3225 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, 163, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 163, 167)  
}
```

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, 163, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 163, 167) }
```

Border

The CSS property to change the border of an element to Yxy 32.9775, 0.2720, 0.3225 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, 163, 167) }
```

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

```
.border{ border-color:rgb(120, 163, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 163, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(120, 163, 167); -webkit-box-shadow:4px 4px 4px 4px rgb(120, 163, 167); box-shadow:4px 4px 4px 4px rgb(120, 163, 167) }
```


Background

The CSS property to change the background color of an element to Yxy 32.9775, 0.2720, 0.3225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 163, 167) }
```

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

```
.background{ background-color: rgb(120,  
163, 167) }
```

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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