

Converting Colors

$Y_{xy}(32.6410, 0.2731, 0.3195)$

Have a look what the booklet for
Yxy(32.6410, 0.2731, 0.3195)
contains.

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Color

Yxy(32.7683, 0.2735, 0.3209)

Conversions

Conversions Part 1

Format	Color
Hex	7AA2A7
RGB	122, 162, 167
RGB Percent	48%, 64%, 65%
CMY	0.5213, 0.3647, 0.3451
CMYK	0.27, 0.03, 0.00, 0.35
HSL	187°, 20%, 57%
HSV	187°, 27%, 65%
XYZ	27.9281, 32.7683, 41.4173
YIQ	150.6100, -25.4450, -6.9250

Conversions

Conversions Part 2

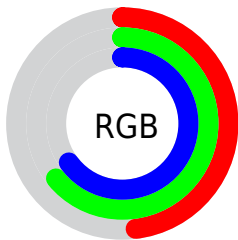
Format	Color
RYB	122, 143, 167
Decimal	8037031
CIELab	63.97, -12.30, -7.03
CIElCh	64, 14.169, 209.736
Yxy	32.7683, 0.2735, 0.3209
Android (android.graphics.Color)	4286227111 (0xFF7AA2A7)
YUV	150.6100, 8.0803, -25.0910
Hunter-Lab	57.2436, -13.0894, -2.8274

Details

The Yxy color **32.7683, 0.2735, 0.3209** is a light color, and the websafe version is hex **669999**. A complement of this color would be **24.8226, 0.3672, 0.3369**, and the grayscale version is **30.7507, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.1297, 0.2815, 0.3230**, and **13.7293, 0.2604, 0.3173** is the 20% darker color. If you saturate the color by 10%, you get **31.0004, 0.2605, 0.3175**, and if you desaturate by 10%, it is **34.7581, 0.2875, 0.3241**.

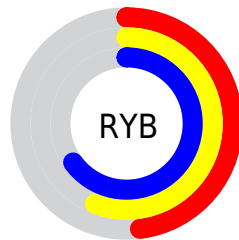
Distribution



Red (48%)

Green (64%)

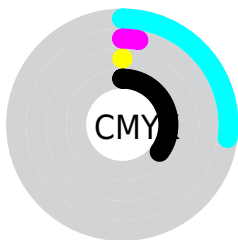
Blue (65%)



Red (48%)

Yellow (56%)

Blue (65%)

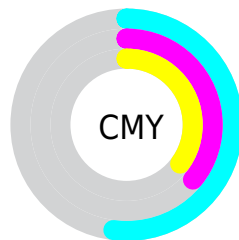


Cyan (27%)

Magenta (3%)

Yellow (0%)

Black (35%)



Cyan (52%)

Magenta (36%)

Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7683, 0.2735, 0.3209 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 32.7683, 0.2735, 0.3209 by changing the saturation by 10% instead.

■ 32.7683, 0.2735,
0.3209

■ 32.7683, 0.2735,
0.3209

■ 314.6044, 0.2940,
0.3255

■ 21.9490, 0.2681,
0.3196

■ 64.0136, 0.2812,
0.3227

■ 13.8194, 0.2609,
0.3177

■ 85.2084, 0.2840,
0.3233

■ 7.9952, 0.2510,
0.3150

■ 110.6305, 0.2864,
0.3238

■ 4.0919, 0.2365,
0.3107

■ 140.6644, 0.2884,
0.3243

■ 1.7251, 0.2133,
0.3030

■ 175.6942, 0.2901,
0.3246

■ 0.4398, 0.0770,
0.2879

■ 216.1046, 0.2916,

■ 0.0000, 0.0000,

0.3250

0.0000

262.2799, 0.2929,
0.3252

■ 32.7683, 0.2735,
0.3209

■ 32.7683, 0.2735,
0.3209

■ 31.0004, 0.2605,
0.3175

■ 34.7581, 0.2875,
0.3241

■ 29.4397, 0.2488,
0.3139

■ 36.9760, 0.3023,
0.3271

■ 28.0759, 0.2386,
0.3102

■ 39.4324, 0.3174,
0.3298

■ 26.8960, 0.2302,
0.3063

■ 42.1363, 0.3328,
0.3323

■ 25.8855, 0.2236,
0.3025

■ 45.0960, 0.3481,
0.3345

■ 25.0275, 0.2188,
0.2987

■ 48.3195, 0.3632,
0.3364

■ 24.2972, 0.2158,
0.2949

■ 51.8143, 0.3779,
0.3381

■ 24.0825, 0.2149,
0.2937

■ 55.4609, 0.3915,
0.3397

■ 56.2025, 0.3908,
0.3416

Harmonies

Analogous

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



32.7683, 0.2865, 0.3418



32.7683, 0.2735, 0.3209



32.7683, 0.2707, 0.3032

Triad

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



32.7683, 0.2735, 0.3209



32.7683, 0.3177, 0.3010



32.7683, 0.3474, 0.3653

Complementary

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



32.7683, 0.2735, 0.3209



24.8226, 0.3672, 0.3369

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.



32.7683, 0.3566, 0.3528



32.7683, 0.2735, 0.3209



32.7683, 0.3391, 0.3162

Square

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



32.7683, 0.2735, 0.3209



32.7683, 0.2955, 0.2927



32.7683, 0.3536, 0.3348



32.7683, 0.3290, 0.3682

Rectangle

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



32.7683, 0.2735, 0.3209



32.7683, 0.2748, 0.2956



32.7683, 0.3536, 0.3348



32.7683, 0.3517, 0.3620

Sweetspot

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



32.7696, 0.2735, 0.3209



65.7008, 0.3004, 0.3267



33.3043, 0.3056, 0.3967



14.5682, 0.2982, 0.3263



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.



32.7696, 0.2735, 0.3209



56.8382, 0.2660, 0.3190



25.7000, 0.2700, 0.2845



8.3868, 0.2987, 0.3264



18.4698, 0.2150, 0.2941



0.4885, 0.2185, 0.3066

Inverse Universe

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



24.7584, 0.3213, 0.2703



40.3060, 0.3234, 0.2579



31.1278, 0.3588, 0.3698



7.6520, 0.3154, 0.3092



7.9356, 0.3507, 0.1705



0.1970, 0.3396, 0.1645

Previews

White Background



This preview shows how the Yxy color 32.7683, 0.2735, 0.3209 looks on a white background.

Color Contrast Check

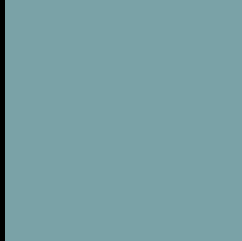
Large Text (above 18pt) WCAG AA × Fail

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 32.7683, 0.2735, 0.3209 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

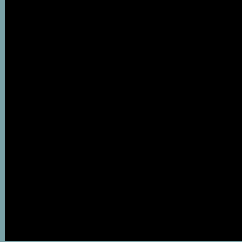
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

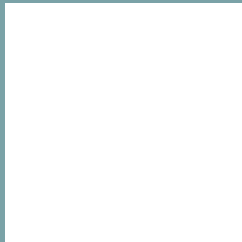
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.7683, 0.2735, 0.3209

Background



This preview shows how black text looks on a background with the Yxy color 32.7683, 0.2735, 0.3209.



This preview shows how white text looks on a background with the Yxy color 32.7683, 0.2735, 0.3209.

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

32.7683, 0.2735, 0.3209

Protanopia

32.6884, 0.3064, 0.3170

Deuteranopia

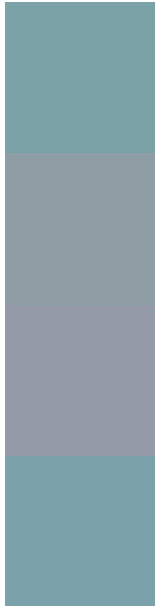
32.4638, 0.3080, 0.3015



Tritanopia

32.8308, 0.2697, 0.3086

Trichromacy



Original Color

32.7683, 0.2735, 0.3209

Protanomaly

32.6339, 0.2934, 0.3182

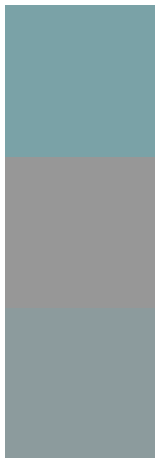
Deuteranomaly

32.2343, 0.2945, 0.3078

Tritanomaly

32.6410, 0.2711, 0.3131

Monochromacy



Original Color

32.7683, 0.2735, 0.3209

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 32.7683, 0.2735, 0.3209 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(122, 162, 167)` looks like.

```
.text, #text, p{  
    color:rgb(122, 162, 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(122, 162, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 162, 167) }
```

Border

The CSS property to change the border of an element to Yxy 32.7683, 0.2735, 0.3209 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(122, 162, 167) }
```

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

```
.border{ border-color:rgb(122, 162, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 162, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 162, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 162, 167);  
box-shadow:4px 4px 4px 4px rgb(122, 162,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7683, 0.2735, 0.3209 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 162, 167) }
```

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

```
.background{ background-color: rgb(122,  
162, 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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