

Converting Colors

$Y_{xy}(32.6083, 0.2279, 0.2799)$

Have a look what the booklet for
Yxy(32.6083, 0.2279, 0.2799)
contains.

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Color

Yxy(32.4323, 0.2277, 0.2798)

Conversions

Conversions Part 1

Format	Color
Hex	4CA5C4
RGB	76, 165, 196
RGB Percent	30%, 65%, 77%
CMY	0.7023, 0.3529, 0.2314
CMYK	0.61, 0.16, 0.00, 0.23
HSL	195°, 50%, 53%
HSV	195°, 61%, 77%
XYZ	26.3933, 32.4323, 57.0869
YIQ	141.9230, -62.9950, -9.2270

Conversions

Conversions Part 2

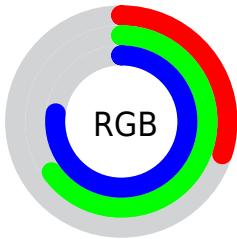
Format	Color
RYB	76, 127, 196
Decimal	5023172
CIELab	63.70, -17.33, -23.86
CIELCh	64, 29.486, 234.015
Yxy	32.4323, 0.2277, 0.2798
Android (android.graphics.Color)	4283213252 (0xFF4CA5C4)
YUV	141.9230, 26.6600, -57.8145
Hunter-Lab	56.9494, -16.9353, -19.5686

Details

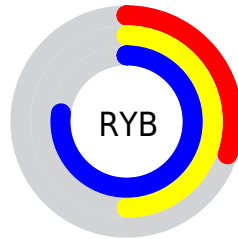
The Yxy color **32.4323, 0.2277, 0.2798** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle muted azure. A complement of this color would be **22.7486, 0.4748, 0.3685**, and the grayscale version is **26.9221, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4291, 0.2433, 0.2895**, and **13.7632, 0.2065, 0.2635** is the 20% darker color. If you saturate the color by 10%, you get **29.9620, 0.2181, 0.2703**, and if you desaturate by 10%, it is **35.2215, 0.2391, 0.2891**.

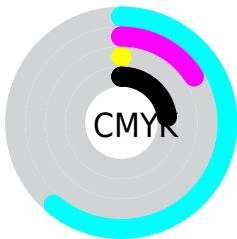
Distribution



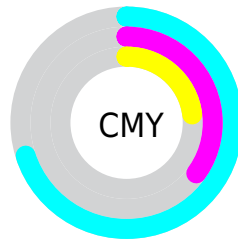
- Red (30%)
- Green (65%)
- Blue (77%)



- Red (30%)
- Yellow (50%)
- Blue (77%)



- Cyan (61%)
- Magenta (16%)
- Yellow (0%)
- Black (23%)



- Cyan (70%)
- Magenta (35%)
- Yellow (23%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.4323, 0.2277, 0.2798 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 32.4323, 0.2277, 0.2798 by changing the saturation by 10% instead.

■ 32.4323, 0.2277,
0.2798

■ 32.4323, 0.2277,
0.2798

■ 313.0838, 0.2712,
0.3066

■ 21.6919, 0.2167,
0.2725

■ 63.4882, 0.2436,
0.2900

■ 13.6307, 0.2026,
0.2627

■ 84.5725, 0.2496,
0.2937

■ 7.8643, 0.1839,
0.2492

■ 109.8735, 0.2546,
0.2968

■ 4.0082, 0.1582,
0.2293

■ 139.7757, 0.2589,
0.2993

■ 1.6782, 0.1218,
0.1982

■ 174.6634, 0.2626,
0.3015

■ 0.4095, 0.0000,
0.1347

■ 214.9211, 0.2658,

■ 0.0000, 0.0000,

0.3034

0.0000

260.9331, 0.2686,
0.3051

■ 32.4323, 0.2277,
0.2798

■ 32.4323, 0.2277,
0.2798

■ 29.9620, 0.2181,
0.2703

■ 35.2215, 0.2391,
0.2891

■ 27.7831, 0.2103,
0.2606

■ 38.3469, 0.2518,
0.2980

■ 25.8687, 0.2045,
0.2510

■ 41.8286, 0.2657,
0.3065

■ 24.3670, 0.2008,
0.2427

■ 45.6838, 0.2804,
0.3144

■ 49.9285, 0.2955,
0.3216

■ 54.5776, 0.3108,
0.3282

■ 59.6452, 0.3260,
0.3342

■ 65.1446, 0.3409,
0.3395

■ 71.0884, 0.3553,
0.3442

Harmonies

Analogous

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



32.4323, 0.2367, 0.3181



32.4323, 0.2277, 0.2798



32.4323, 0.2390, 0.2584

Triad

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



32.4323, 0.2277, 0.2798



32.4323, 0.3597, 0.2960



32.4323, 0.3530, 0.4132

Complementary

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



32.4323, 0.2277, 0.2798



22.7486, 0.4748, 0.3685

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.



32.4323, 0.3895, 0.3990



32.4323, 0.2277, 0.2798



32.4323, 0.3947, 0.3312

Square

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



32.4323, 0.2277, 0.2798



32.4323, 0.3127, 0.2690



32.4323, 0.4056, 0.3682



32.4323, 0.3073, 0.4012

Rectangle

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



32.4323, 0.2277, 0.2798



32.4323, 0.2572, 0.2544



32.4323, 0.4056, 0.3682



32.4323, 0.3668, 0.4110

Sweetspot

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



32.4335, 0.2277, 0.2798



84.9861, 0.2849, 0.3166



42.0477, 0.2884, 0.4791



17.7199, 0.2804, 0.3144



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.



32.4335, 0.2277, 0.2798



52.6851, 0.2148, 0.2665



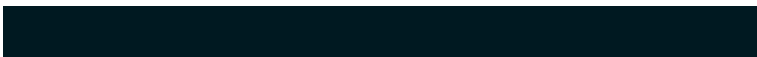
15.8132, 0.2050, 0.1793



10.9743, 0.2984, 0.3229



15.8035, 0.2011, 0.2441



0.7888, 0.2070, 0.2652

Inverse Universe

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



19.6092, 0.3593, 0.2192



29.6633, 0.3738, 0.2039



39.5174, 0.4203, 0.4407



10.2017, 0.3176, 0.3121



8.8776, 0.3982, 0.1967



0.3943, 0.3774, 0.1853

Previews

White Background



This preview shows how the Yxy color 32.4323, 0.2277, 0.2798 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 32.4323, 0.2277, 0.2798 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 32.4323, 0.2277, 0.2798

Background



This preview shows how black text looks on a background with the Yxy color 32.4323, 0.2277, 0.2798.

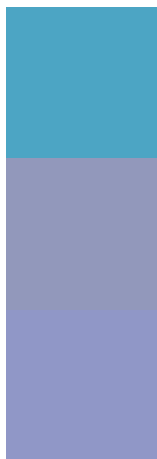


This preview shows how white text looks on a background with the Yxy color 32.4323, 0.2277, 0.2798.

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

32.4323, 0.2277, 0.2798

Protanopia

32.1553, 0.2769, 0.2778

Deuteranopia

32.1860, 0.2660, 0.2605



Tritanopia

32.6067, 0.2337, 0.3073

Trichromacy



Original Color

32.4323, 0.2277, 0.2798

Protanomaly

31.8966, 0.2554, 0.2787

Deuteranomaly

31.7761, 0.2485, 0.2660

Tritanomaly

32.5603, 0.2319, 0.2979

Monochromacy



Original Color

32.4323, 0.2277, 0.2798

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

28.2729, 0.2721, 0.3090

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.4323, 0.2277, 0.2798 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(76, 165, 196)` looks like.

```
.text, #text, p{  
    color:rgb(76, 165, 196)  
}
```

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(76, 165, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 165, 196) }
```

Border

The CSS property to change the border of an element to Yxy 32.4323, 0.2277, 0.2798 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(76, 165, 196) }
```

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

```
.border{ border-color:rgb(76, 165, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 165, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 165, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 165, 196);  
box-shadow:4px 4px 4px 4px rgb(76, 165,  
196) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 32.4323, 0.2277, 0.2798$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 165, 196) }
```

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

```
.background{ background-color: rgb(76, 165,  
196) }
```

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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