

Converting Colors

$Y_{xy}(32.0580, 0.2223, 0.2761)$

Have a look what the booklet for
Yxy(32.0580, 0.2223, 0.2761)
contains.

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Color

Yxy(32.1113, 0.2223, 0.2763)

Conversions

Conversions Part 1

Format	Color
Hex	41A5C6
RGB	65, 165, 198
RGB Percent	25%, 65%, 78%
CMY	0.7446, 0.3530, 0.2235
CMYK	0.67, 0.17, 0.00, 0.22
HSL	195°, 54%, 52%
HSV	195°, 67%, 78%
XYZ	25.8355, 32.1113, 58.2722
YIQ	138.8620, -70.1930, -10.9370

Conversions

Conversions Part 2

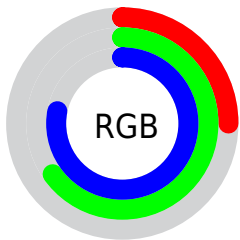
Format	Color
RYB	65, 122, 198
Decimal	4302278
CIELab	63.43, -18.50, -25.42
CIELCh	63, 31.443, 233.953
Yxy	32.1113, 0.2223, 0.2763
Android (android.graphics.Color)	4282492358 (0xFF41A5C6)
YUV	138.8620, 29.1550, -64.7770
Hunter-Lab	56.6668, -17.7854, -21.3029

Details

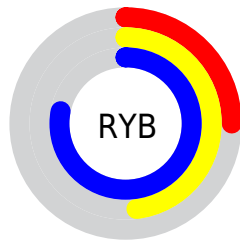
The Yxy color **32.1113, 0.2223, 0.2763** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle muted azure. A complement of this color would be **21.1556, 0.4990, 0.3687**, and the grayscale version is **25.6822, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.9184, 0.2389, 0.2869**, and **13.8239, 0.2055, 0.2597** is the 20% darker color. If you saturate the color by 10%, you get **29.8083, 0.2139, 0.2671**, and if you desaturate by 10%, it is **34.7218, 0.2326, 0.2854**.

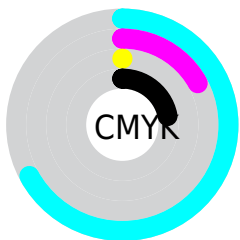
Distribution



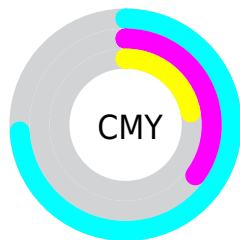
- Red (25%)
- Green (65%)
- Blue (78%)



- Red (25%)
- Yellow (48%)
- Blue (78%)



- Cyan (67%)
- Magenta (17%)
- Yellow (0%)
- Black (22%)





- Cyan (74%)
- Magenta (35%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.1113, 0.2223, 0.2763 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 32.1113, 0.2223, 0.2763 by changing the saturation by 10% instead.


 32.1113, 0.2223,
0.2763

 32.1113, 0.2223,
0.2763


311.6259, 0.2684,
0.3050


 21.4465, 0.2107,
0.2684


 62.9855, 0.2392,
0.2873

 13.4508, 0.1958,
0.2580

 83.9638, 0.2455,
0.2912

 7.7397, 0.1762,
0.2435


 109.1486, 0.2508,
0.2945

 3.9288, 0.1496,
0.2224

 138.9245, 0.2554,
0.2973

 1.6338, 0.1123,
0.1896

 173.6758, 0.2593,
0.2996

 0.3802, 0.0000,
0.1201

213.7868, 0.2627,

 0.0000, 0.0000,

0.3017

0.0000

259.6421, 0.2657,
0.3034

■ 32.1113, 0.2223,
0.2763

■ 32.1113, 0.2223,
0.2763

■ 29.8083, 0.2139,
0.2671

■ 34.7218, 0.2326,
0.2854

■ 27.7828, 0.2075,
0.2578

■ 37.6595, 0.2444,
0.2942

■ 25.9994, 0.2029,
0.2487

■ 40.9458, 0.2576,
0.3026

■ 25.5105, 0.2017,
0.2461

■ 44.5994, 0.2718,
0.3105

■ 48.6371, 0.2866,
0.3179

■ 53.0750, 0.3018,
0.3246

■ 57.9277, 0.3171,
0.3307

■ 63.2093, 0.3323,
0.3362

■ 68.9330, 0.3470,
0.3410

Harmonies

Analogous

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



32.1113, 0.2317, 0.3171



32.1113, 0.2223, 0.2763



32.1113, 0.2342, 0.2537

Triad

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



32.1113, 0.2223, 0.2763



32.1113, 0.3628, 0.2937



32.1113, 0.3555, 0.4192

Complementary

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



32.1113, 0.2223, 0.2763



21.1556, 0.4990, 0.3687

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.



32.1113, 0.3947, 0.4034



32.1113, 0.2223, 0.2763



32.1113, 0.4005, 0.3309

Square

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



32.1113, 0.2223, 0.2763



32.1113, 0.3125, 0.2652



32.1113, 0.4121, 0.3702



32.1113, 0.3067, 0.4067

Rectangle

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



32.1113, 0.2223, 0.2763



32.1113, 0.2534, 0.2496



32.1113, 0.4121, 0.3702



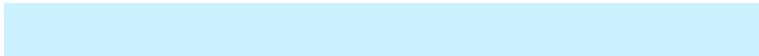
32.1113, 0.3703, 0.4167

Sweetspot

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



32.1125, 0.2223, 0.2763



83.7551, 0.2819, 0.3156



42.3711, 0.2888, 0.4993



17.4889, 0.2776, 0.3135



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.



32.1125, 0.2223, 0.2763



50.8860, 0.2104, 0.2623



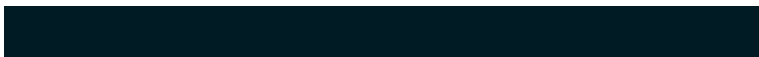
14.4291, 0.1959, 0.1663



11.6038, 0.2984, 0.3231



16.7280, 0.2020, 0.2473



0.9015, 0.2073, 0.2663

Inverse Universe

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



18.5195, 0.3635, 0.2105



27.7545, 0.3787, 0.1977



38.4366, 0.4325, 0.4460



10.7698, 0.3175, 0.3118



9.2287, 0.3949, 0.1949



0.4480, 0.3764, 0.1847

Previews

White Background



This preview shows how the Yxy color 32.1113, 0.2223, 0.2763 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 32.1113, 0.2223, 0.2763 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

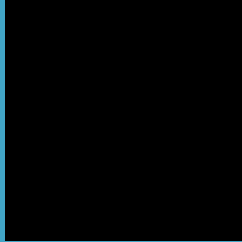
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

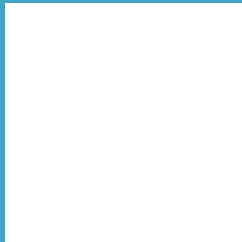
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.1113, 0.2223, 0.2763

Background



This preview shows how black text looks on a background with the Yxy color 32.1113, 0.2223, 0.2763.

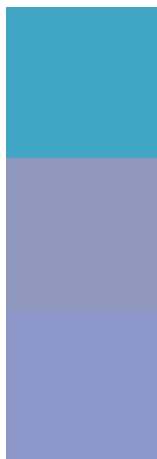


This preview shows how white text looks on a background with the Yxy color 32.1113, 0.2223, 0.2763.

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

32.1113, 0.2223, 0.2763

Protanopia

31.6933, 0.2743, 0.2747

Deuteranopia

31.6925, 0.2620, 0.2560



Tritanopia

32.1822, 0.2287, 0.3070

Trichromacy



Original Color

32.1113, 0.2223, 0.2763

Protanomaly

31.2275, 0.2496, 0.2737

Deuteranomaly

31.1235, 0.2429, 0.2611

Tritanomaly

32.1551, 0.2263, 0.2959

Monochromacy



Original Color

32.1113, 0.2223, 0.2763

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

27.1626, 0.2683, 0.3085

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.1113, 0.2223, 0.2763 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(65, 165, 198)` looks like.

```
.text, #text, p{  
    color:rgb(65, 165, 198)  
}
```

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(65, 165, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 165, 198) }
```

Border

The CSS property to change the border of an element to Yxy 32.1113, 0.2223, 0.2763 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(65, 165, 198) }
```

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

```
.border{ border-color:rgb(65, 165, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 165, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 165, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 165, 198);  
box-shadow:4px 4px 4px 4px rgb(65, 165,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 32.1113, 0.2223, 0.2763 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 165, 198) }
```

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

```
.background{ background-color: rgb(65, 165,  
198) }
```

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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