

Converting Colors

$Y_{xy}(34.8568, 0.2227, 0.2988)$

Have a look what the booklet for
Yxy(34.8568, 0.2227, 0.2988)
contains.

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Color

Yxy(34.7032, 0.2225, 0.2982)

Conversions

Conversions Part 1

Format	Color
Hex	2EAEC1
RGB	46, 174, 193
RGB Percent	18%, 68%, 76%
CMY	0.8188, 0.3177, 0.2432
CMYK	0.76, 0.10, 0.00, 0.24
HSL	188°, 61%, 47%
HSV	188°, 76%, 76%
XYZ	25.8936, 34.7032, 55.7788
YIQ	137.8940, -82.3870, -21.2270

Conversions

Conversions Part 2

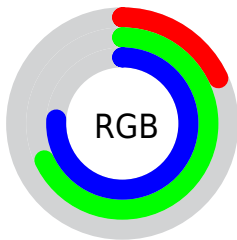
Format	Color
RYB	46, 114, 193
Decimal	3059393
CIELab	65.52, -27.23, -19.48
CIELCh	66, 33.486, 215.579
Yxy	34.7032, 0.2225, 0.2982
Android (android.graphics.Color)	4281249473 (0xFF2EAEC1)
YUV	137.8940, 27.1673, -80.5910
Hunter-Lab	58.9094, -24.6320, -14.9026

Details

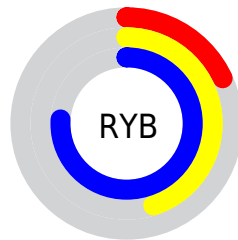
The Yxy color **34.7032, 0.2225, 0.2982** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **15.3377, 0.5542, 0.3485**, and the grayscale version is **25.3124, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.0780, 0.2392, 0.3058**, and **15.5388, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **33.3946, 0.2175, 0.2937**, and if you desaturate by 10%, it is **36.2338, 0.2294, 0.3027**.

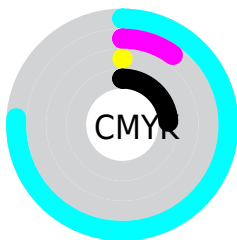
Distribution



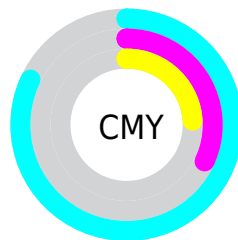
- Red (18%)
- Green (68%)
- Blue (76%)



- Red (18%)
- Yellow (45%)
- Blue (76%)



- Cyan (76%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)





- Cyan (82%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.7032, 0.2225, 0.2982 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 34.7032, 0.2225, 0.2982 by changing the saturation by 10% instead.


 34.7032, 0.2225,
0.2982


 34.7032, 0.2225,
0.2982


323.2563, 0.2681,
0.3157


 23.4343, 0.2111,
0.2932


 67.0257, 0.2391,
0.3050

 14.9145, 0.1966,
0.2863


 88.8482, 0.2453,
0.3075

 8.7594, 0.1775,
0.2766


 114.9573, 0.2506,
0.3095

 4.5846, 0.1516,
0.2617

 145.7374, 0.2551,
0.3111

 2.0057, 0.1152,
0.2372

 181.5730, 0.2590,
0.3125

 0.6108, 0.0000,
0.1985

222.8484, 0.2624,

 0.0000, 0.0000,

0.3137

0.0000

269.9481, 0.2654,
0.3148

■ 34.7032, 0.2225,
0.2982

■ 34.7032, 0.2225,
0.2982

■ 33.3946, 0.2175,
0.2937

■ 36.2338, 0.2294,
0.3027

■ 32.2739, 0.2142,
0.2892

■ 38.0067, 0.2382,
0.3072

■ 31.8603, 0.2132,
0.2874

■ 40.0438, 0.2488,
0.3116

■ 42.3635, 0.2608,
0.3158

■ 44.9824, 0.2742,
0.3198

■ 47.9157, 0.2885,
0.3236

■ 51.1777, 0.3034,
0.3271

■ 54.7817, 0.3188,
0.3302

■ 58.7401, 0.3343,
0.3331

Harmonies

Analogous

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



34.7032, 0.2455, 0.3483



34.7032, 0.2225, 0.2982



34.7032, 0.2214, 0.2628

Triad

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



34.7032, 0.2225, 0.2982



34.7032, 0.3330, 0.2730



34.7032, 0.3839, 0.4153

Complementary

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



34.7032, 0.2225, 0.2982



15.3377, 0.5542, 0.3485

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.



34.7032, 0.4121, 0.3861



34.7032, 0.2225, 0.2982



34.7032, 0.3824, 0.3065

Square

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



34.7032, 0.2225, 0.2982



34.7032, 0.2815, 0.2519



34.7032, 0.4122, 0.3466



34.7032, 0.3377, 0.4217

Rectangle

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



34.7032, 0.2225, 0.2982



34.7032, 0.2328, 0.2504



34.7032, 0.4122, 0.3466



34.7032, 0.3959, 0.4075

Sweetspot

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



34.7045, 0.2225, 0.2982



81.9372, 0.2780, 0.3209



39.0831, 0.2958, 0.5476



17.1860, 0.2729, 0.3195



97.7402, 0.3127, 0.3290



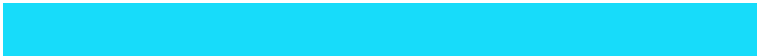
20.4902, 0.3127, 0.3290

Same Dimension

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



34.7045, 0.2225, 0.2982



58.5059, 0.2152, 0.2908



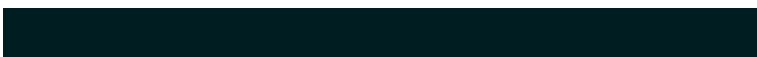
14.0300, 0.1899, 0.1713



11.1989, 0.2984, 0.3259



21.2762, 0.2133, 0.2880



0.9825, 0.2161, 0.2980

Inverse Universe

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



16.3611, 0.3457, 0.1847



26.0906, 0.3533, 0.1750



29.3463, 0.4661, 0.4357



10.2244, 0.3157, 0.3092



9.4301, 0.3561, 0.1735



0.4138, 0.3472, 0.1686

Previews

White Background



This preview shows how the Yxy color 34.7032, 0.2225, 0.2982 looks on a white background.

Color Contrast Check

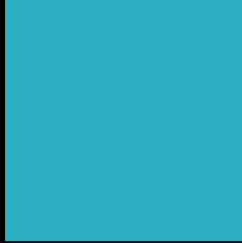
Large Text (above 18pt) WCAG AA × Fail

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 34.7032, 0.2225, 0.2982 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 34.7032, 0.2225, 0.2982

Background



This preview shows how black text looks on a background with the Yxy color 34.7032, 0.2225, 0.2982.

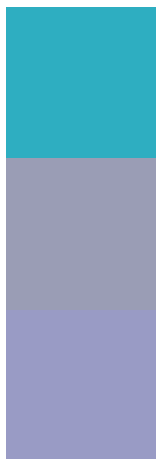


This preview shows how white text looks on a background with the Yxy color 34.7032, 0.2225, 0.2982.

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

34.7032, 0.2225, 0.2982

Protanopia

34.3202, 0.2892, 0.2943

Deuteranopia

34.2462, 0.2756, 0.2701



Tritanopia

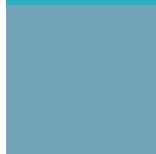
34.8477, 0.2240, 0.3060

Trichromacy



Original Color

34.7032, 0.2225, 0.2982



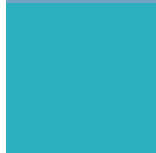
Protanomaly

33.3420, 0.2558, 0.2949



Deuteranomaly

33.4036, 0.2479, 0.2776



Tritanomaly

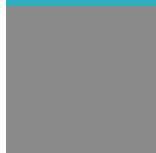
34.9131, 0.2238, 0.3044

Monochromacy



Original Color

34.7032, 0.2225, 0.2982



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

27.6051, 0.2647, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7032, 0.2225, 0.2982 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(46, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(46, 174, 193)  
}
```

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(46, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(46, 174, 193) }
```

Border

The CSS property to change the border of an element to Yxy 34.7032, 0.2225, 0.2982 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(46, 174, 193) }
```

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

```
.border{ border-color:rgb(46, 174, 193) }
```

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

Here you see how a box with a 4 pixel rgb(46, 174, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(46, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(46, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(46, 174,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7032, 0.2225, 0.2982 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(46, 174, 193) }
```

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

```
.background{ background-color: rgb(46, 174,  
193) }
```

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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