

Converting Colors

$Y_{xy}(34.7295, 0.2265, 0.2969)$

Have a look what the booklet for
Yxy(34.7295, 0.2265, 0.2969)
contains.

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Color

Yxy(34.7295, 0.2265, 0.2969)

Conversions

Conversions Part 1

Format	Color
Hex	3DADC1
RGB	61, 173, 193
RGB Percent	24%, 68%, 76%
CMY	0.7606, 0.3216, 0.2432
CMYK	0.68, 0.10, 0.00, 0.24
HSL	189°, 52%, 50%
HSV	189°, 68%, 76%
XYZ	26.4945, 34.7295, 55.7497
YIQ	141.7920, -73.1720, -17.5240

Conversions

Conversions Part 2

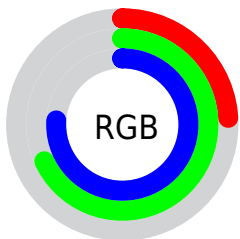
Format	Color
RYB	61, 122, 193
Decimal	4042177
CIELab	65.54, -24.83, -19.42
CIELCh	66, 31.526, 218.024
Yxy	34.7295, 0.2265, 0.2969
Android (android.graphics.Color)	4282232257 (0xFF3DADC1)
YUV	141.7920, 25.2455, -70.8546
Hunter-Lab	58.9317, -22.8805, -14.8364

Details

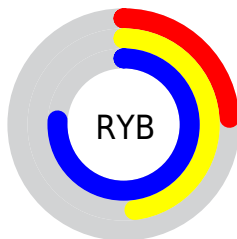
The Yxy color **34.7295, 0.2265, 0.2969** is a dark color, and the websafe version is hex **339999**. The color can be described as middle muted azure. A complement of this color would be **17.5643, 0.5177, 0.3527**, and the grayscale version is **26.8903, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.2381, 0.2429, 0.3048**, and **15.2970, 0.2128, 0.2862** is the 20% darker color. If you saturate the color by 10%, you get **33.1150, 0.2197, 0.2915**, and if you desaturate by 10%, it is **36.5914, 0.2352, 0.3022**.

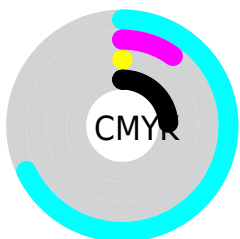
Distribution



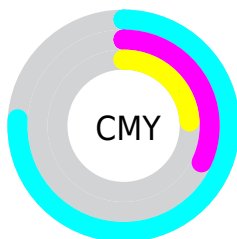
- Red (24%)
- Green (68%)
- Blue (76%)



- Red (24%)
- Yellow (48%)
- Blue (76%)



- Cyan (68%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)



- Cyan (76%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7295, 0.2265, 0.2969 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 34.7295, 0.2265, 0.2969 by changing the saturation by 10% instead.


 34.7295, 0.2265,
0.2969


 34.7295, 0.2265,
0.2969


323.3727, 0.2701,
0.3149


 23.4546, 0.2156,
0.2918


 67.0665, 0.2424,
0.3039


 14.9295, 0.2016,
0.2849


 88.8974, 0.2484,
0.3064

 8.7699, 0.1832,
0.2750


 115.0157, 0.2534,
0.3084

 4.5914, 0.1580,
0.2602

 145.8059, 0.2577,
0.3102

 2.0096, 0.1224,
0.2358

 181.6522, 0.2615,
0.3116

 0.6130, 0.0000,
0.1994

222.9393, 0.2647,

 0.0000, 0.0000,

0.3129

0.0000

270.0513, 0.2676,
0.3140

■ 34.7295, 0.2265,
0.2969

■ 34.7295, 0.2265,
0.2969

■ 33.1150, 0.2197,
0.2915

■ 36.5914, 0.2352,
0.3022

■ 31.7191, 0.2148,
0.2862

■ 38.7182, 0.2456,
0.3074

■ 30.5033, 0.2116,
0.2809

■ 41.1302, 0.2576,
0.3125

■ 30.3114, 0.2111,
0.2800

■ 43.8444, 0.2708,
0.3172

■ 46.8764, 0.2851,
0.3217

■ 50.2406, 0.3000,
0.3258

■ 53.9507, 0.3152,
0.3296

■ 58.0193, 0.3306,
0.3330

■ 62.4585, 0.3459,
0.3360

Harmonies

Analogous

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



34.7295, 0.2468, 0.3432



34.7295, 0.2265, 0.2969



34.7295, 0.2271, 0.2648

Triad

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



34.7295, 0.2265, 0.2969



34.7295, 0.3360, 0.2782



34.7295, 0.3770, 0.4119

Complementary

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



34.7295, 0.2265, 0.2969



17.5643, 0.5177, 0.3527

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.



34.7295, 0.4051, 0.3860



34.7295, 0.2265, 0.2969



34.7295, 0.3814, 0.3109

Square

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



34.7295, 0.2265, 0.2969



34.7295, 0.2871, 0.2570



34.7295, 0.4074, 0.3492



34.7295, 0.3327, 0.4151

Rectangle

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



34.7295, 0.2265, 0.2969



34.7295, 0.2391, 0.2539



34.7295, 0.4074, 0.3492



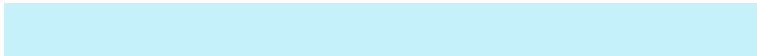
34.7295, 0.3887, 0.4052

Sweetspot

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



34.7308, 0.2265, 0.2969



82.2978, 0.2808, 0.3204



39.7190, 0.2940, 0.5197



17.3293, 0.2768, 0.3192



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.



34.7308, 0.2265, 0.2969



58.0424, 0.2171, 0.2889



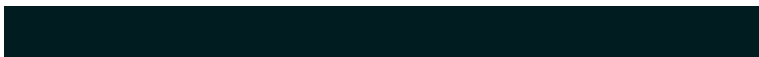
15.4075, 0.1986, 0.1818



11.1601, 0.2984, 0.3254



20.2578, 0.2113, 0.2807



0.9473, 0.2146, 0.2925

Inverse Universe

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



17.6964, 0.3459, 0.1962



27.2879, 0.3545, 0.1822



32.4817, 0.4452, 0.4351



10.2204, 0.3160, 0.3097



9.3273, 0.3628, 0.1772



0.4103, 0.3521, 0.1713

Previews

White Background



This preview shows how the Yxy color 34.7295, 0.2265, 0.2969 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 34.7295, 0.2265, 0.2969 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

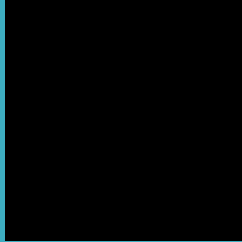
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7295, 0.2265, 0.2969

Background



This preview shows how black text looks on a background with the Yxy color 34.7295, 0.2265, 0.2969.

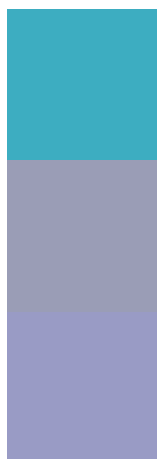


This preview shows how white text looks on a background with the Yxy color 34.7295, 0.2265, 0.2969.

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

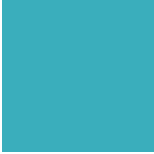
34.7295, 0.2265, 0.2969

Protanopia

34.3614, 0.2884, 0.2930

Deuteranopia

34.2462, 0.2756, 0.2701



Tritanopia

34.8025, 0.2283, 0.3061

Trichromacy



Original Color

34.7295, 0.2265, 0.2969



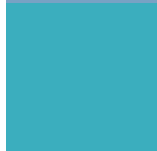
Protanomaly

33.7326, 0.2587, 0.2937



Deuteranomaly

33.8193, 0.2519, 0.2781



Tritanomaly

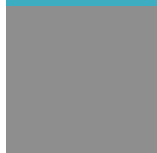
34.9196, 0.2277, 0.3031

Monochromacy



Original Color

34.7295, 0.2265, 0.2969



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

28.8664, 0.2693, 0.3155

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7295, 0.2265, 0.2969 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(61, 173, 193)` looks like.

```
.text, #text, p{  
    color:rgb(61, 173, 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(61, 173, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 173, 193) }
```

Border

The CSS property to change the border of an element to Yxy 34.7295, 0.2265, 0.2969 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(61, 173, 193) }
```

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

```
.border{ border-color:rgb(61, 173, 193) }
```

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

Here you see how a box with a 4 pixel rgb(61, 173, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 173, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 173, 193);  
box-shadow:4px 4px 4px 4px rgb(61, 173,  
193) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 34.7295, 0.2265, 0.2969$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 173, 193) }
```

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

```
.background{ background-color: rgb(61, 173,  
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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