

Converting Colors

$Y_{xy}(34.7386, 0.2154, 0.2934)$

Have a look what the booklet for
Yxy(34.7386, 0.2154, 0.2934)
contains.

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Color

Yxy(34.7428, 0.2154, 0.2933)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 09AFC5 |
| RGB | 9, 175, 197 |
| RGB Percent | 4%, 69%, 77% |
| CMY | 0.9663, 0.3138, 0.2274 |
| CMYK | 0.96, 0.11, 0.00, 0.23 |
| HSL | 187°, 92%, 40% |
| HSV | 187°, 96%, 77% |
| XYZ | 25.5152, 34.7428, 58.1969 |
| YIQ | 127.8740, -105.9980, -28.3500 |

Conversions

Conversions Part 2

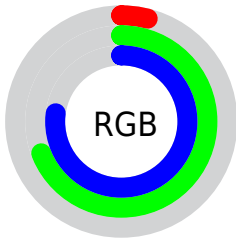
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 9, 97, 197 |
| Decimal | 634821 |
| CIELab | 65.55, -28.95, -21.71 |
| CIELCh | 66, 36.190, 216.861 |
| Yxy | 34.7428, 0.2154, 0.2933 |
| Android (android.graphics.Color) | 4278824901 (0xFF09AFC5) |
| YUV | 127.8740, 34.0791, -104.2525 |
| Hunter-Lab | 58.9430, -25.8815, -17.2793 |

Details

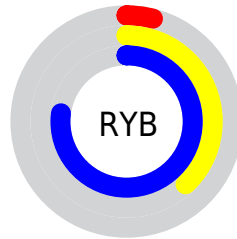
The Yxy color **34.7428, 0.2154, 0.2933** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.8526, 0.6217, 0.3391**, and the grayscale version is **21.4024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1911, 0.2332, 0.3010**, and **15.9022, 0.2119, 0.2827** is the 20% darker color. If you saturate the color by 10%, you get **34.2989, 0.2143, 0.2916**, and if you desaturate by 10%, it is **35.8440, 0.2185, 0.2973**.

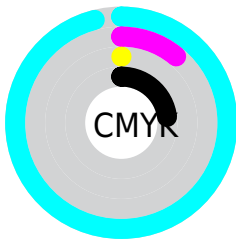
Distribution



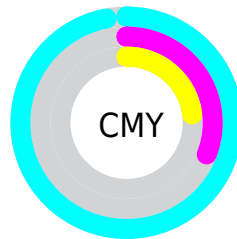
- Red (4%)
- Green (69%)
- Blue (77%)



- Red (4%)
- Yellow (38%)
- Blue (77%)



- Cyan (96%)
- Magenta (11%)
- Yellow (0%)
- Black (23%)





- Cyan (97%)
- Magenta (31%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7428, 0.2154, 0.2933 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 34.7428, 0.2154, 0.2933 by changing the saturation by 10% instead.


 34.7428, 0.2154,
0.2933


 34.7428, 0.2154,
0.2933


323.4316, 0.2643,
0.3135

 23.4648, 0.2033,
0.2875


 67.0871, 0.2331,
0.3012

 14.9371, 0.1880,
0.2797


 88.9223, 0.2398,
0.3040

 8.7753, 0.1679,
0.2686


 115.0453, 0.2455,
0.3063

 4.5949, 0.1411,
0.2519

 145.8405, 0.2503,
0.3082

 2.0116, 0.1042,
0.2249

 181.6923, 0.2545,
0.3098

 0.6142, 0.0000,
0.1812

222.9852, 0.2582,

 0.0000, 0.0000,

0.3112

0.0000

270.1035, 0.2614,
0.3124

■ 34.7428, 0.2154,
0.2933

■ 34.7428, 0.2154,
0.2933

■ 34.2989, 0.2143,
0.2916

■ 35.8440, 0.2185,
0.2973

■ 37.1410, 0.2235,
0.3014

■ 38.6660, 0.2303,
0.3055

■ 40.4442, 0.2390,
0.3095

■ 42.4971, 0.2495,
0.3135

■ 44.8439, 0.2615,
0.3173

■ 47.5022, 0.2748,
0.3209

■ 50.4877, 0.2891,
0.3242

■ 53.8155, 0.3041,
0.3274

Harmonies

Analogous

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



34.7428, 0.2388, 0.3472



34.7428, 0.2154, 0.2933



34.7428, 0.2154, 0.2565

Triad

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



34.7428, 0.2154, 0.2933



34.7428, 0.3369, 0.2702



34.7428, 0.3872, 0.4228

Complementary

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



34.7428, 0.2154, 0.2933



12.8526, 0.6217, 0.3391

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.



34.7428, 0.4190, 0.3914



34.7428, 0.2154, 0.2933



34.7428, 0.3899, 0.3064

Square

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



34.7428, 0.2154, 0.2933



34.7428, 0.2811, 0.2471



34.7428, 0.4209, 0.3492



34.7428, 0.3369, 0.4292

Rectangle

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



34.7428, 0.2154, 0.2933



34.7428, 0.2281, 0.2441



34.7428, 0.4209, 0.3492



34.7428, 0.4006, 0.4144

Sweetspot

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



34.7440, 0.2154, 0.2933



83.1768, 0.2696, 0.3195



40.0945, 0.2973, 0.5866



17.3672, 0.2639, 0.3179



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.



34.7440, 0.2154, 0.2933



61.1708, 0.2142, 0.2910



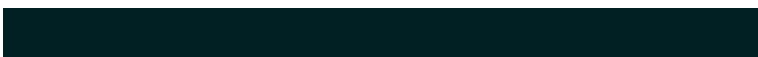
9.9466, 0.1701, 0.1290



11.8476, 0.2984, 0.3262



22.6340, 0.2145, 0.2921



1.1332, 0.2168, 0.3005

Inverse Universe

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



15.1546, 0.3512, 0.1725



26.7064, 0.3535, 0.1721



26.5065, 0.5010, 0.4370



10.7944, 0.3155, 0.3088



9.8249, 0.3525, 0.1715



0.4714, 0.3450, 0.1674

Previews

White Background



This preview shows how the Yxy color 34.7428, 0.2154, 0.2933 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 34.7428, 0.2154, 0.2933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

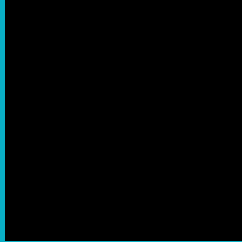
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

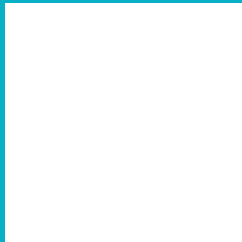
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.7428, 0.2154, 0.2933

Background



This preview shows how black text looks on a background with the Yxy color 34.7428, 0.2154, 0.2933.

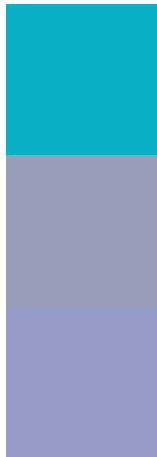


This preview shows how white text looks on a background with the Yxy color 34.7428, 0.2154, 0.2933.

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

34.7492, 0.2154, 0.2934

Protanopia

34.3890, 0.2851, 0.2888

Deuteranopia

34.2390, 0.2709, 0.2648



Tritanopia

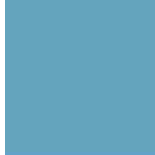
34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.7492, 0.2154, 0.2934



Protanomaly

32.9344, 0.2438, 0.2897



Deuteranomaly

32.6634, 0.2362, 0.2708



Tritanomaly

34.9203, 0.2172, 0.3011

Monochromacy



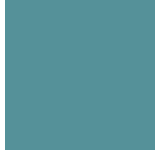
Original Color

34.7492, 0.2154, 0.2934



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.4820, 0.2518, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7428, 0.2154, 0.2933 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(9, 175, 197)` looks like.

```
.text, #text, p{  
  color:rgb(9, 175, 197)  
}
```

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(9, 175, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(9, 175, 197) }
```

Border

The CSS property to change the border of an element to Yxy 34.7428, 0.2154, 0.2933 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(9, 175, 197) }
```

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

```
.border{ border-color:rgb(9, 175, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(9, 175, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(9, 175, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(9, 175, 197);  
box-shadow:4px 4px 4px 4px rgb(9, 175,  
197) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7428, 0.2154, 0.2933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(9, 175, 197) }
```

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

```
.background{ background-color: rgb(9, 175,  
197) }
```

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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