

Converting Colors

$Y_{xy}(34.9002, 0.2147, 0.2920)$

Have a look what the booklet for
Yxy(34.9002, 0.2147, 0.2920)
contains.

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Color

Yxy(34.7630, 0.2147, 0.2918)

Conversions

Conversions Part 1

Format	Color
Hex	04AFC6
RGB	4, 175, 198
RGB Percent	2%, 69%, 78%
CMY	0.9824, 0.3137, 0.2235
CMYK	0.98, 0.12, 0.00, 0.22
HSL	187°, 96%, 40%
HSV	187°, 98%, 78%
XYZ	25.5778, 34.7630, 58.7921
YIQ	126.4930, -109.2990, -29.0990

Conversions

Conversions Part 2

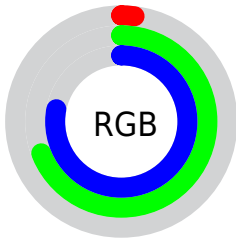
Format	Color
R _Y B	4, 95, 198
Decimal	307142
CIE Lab	65.56, -28.76, -22.23
CIE LCh	66, 36.351, 217.708
Yxy	34.7630, 0.2147, 0.2918
Android (android.graphics.Color)	4278497222 (0xFF04AFC6)
YUV	126.4930, 35.2530, -107.4264
Hunter-Lab	58.9602, -25.7441, -17.8489

Details

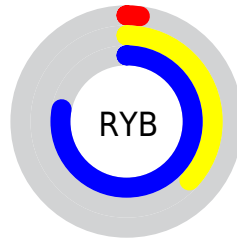
The Yxy color **34.7630, 0.2147, 0.2918** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.8236, 0.6259, 0.3384**, and the grayscale version is **20.9974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1966, 0.2325, 0.2998**, and **15.9327, 0.2113, 0.2807** is the 20% darker color. If you saturate the color by 10%, you get **34.5281, 0.2141, 0.2909**, and if you desaturate by 10%, it is **35.8576, 0.2176, 0.2959**.

Distribution



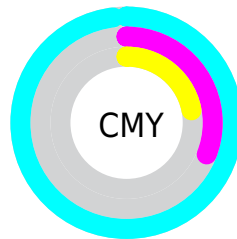
- Red (2%)
- Green (69%)
- Blue (78%)



- Red (2%)
- Yellow (37%)
- Blue (78%)



- Cyan (98%)
- Magenta (12%)
- Yellow (0%)
- Black (22%)





- Cyan (98%)
- Magenta (31%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.7630, 0.2147, 0.2918 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 34.7630, 0.2147, 0.2918 by changing the saturation by 10% instead.


 34.7630, 0.2147,
0.2918


 34.7630, 0.2147,
0.2918


323.5210, 0.2639,
0.3128


 23.4804, 0.2026,
0.2858


 67.1185, 0.2325,
0.3000


 14.9486, 0.1871,
0.2778


 88.9601, 0.2393,
0.3029

 8.7833, 0.1671,
0.2664


 115.0901, 0.2449,
0.3053

 4.6001, 0.1402,
0.2493

 145.8930, 0.2498,
0.3073

 2.0146, 0.1034,
0.2218

 181.7532, 0.2541,
0.3090

 0.6159, 0.0000,
0.1775

223.0550, 0.2578,

 0.0000, 0.0000,

0.3104

0.0000

270.1828, 0.2610,
0.3117

■ 34.7630, 0.2147,
0.2918

■ 34.7630, 0.2147,
0.2918

■ 34.5281, 0.2141,
0.2909

■ 35.8576, 0.2176,
0.2959

■ 37.1380, 0.2221,
0.3000

■ 38.6437, 0.2286,
0.3042

■ 40.4009, 0.2369,
0.3083

■ 42.4324, 0.2471,
0.3123

■ 44.7579, 0.2588,
0.3163

■ 47.3955, 0.2719,
0.3200

■ 50.3615, 0.2860,
0.3235

■ 53.6714, 0.3009,
0.3267

Harmonies

Analogous

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



34.7630, 0.2375, 0.3456



34.7630, 0.2147, 0.2918



34.7630, 0.2153, 0.2554

Triad

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



34.7630, 0.2147, 0.2918



34.7630, 0.3386, 0.2709



34.7630, 0.3863, 0.4238

Complementary

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



34.7630, 0.2147, 0.2918



12.8236, 0.6259, 0.3384

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.



34.7630, 0.4189, 0.3927



34.7630, 0.2147, 0.2918



34.7630, 0.3915, 0.3074

Square

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



34.7630, 0.2147, 0.2918



34.7630, 0.2824, 0.2472



34.7630, 0.4218, 0.3505



34.7630, 0.3354, 0.4293

Rectangle

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



34.7630, 0.2147, 0.2918



34.7630, 0.2285, 0.2434



34.7630, 0.4218, 0.3505



34.7630, 0.3999, 0.4155

Sweetspot

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



34.7642, 0.2147, 0.2918



83.0866, 0.2696, 0.3194



40.5002, 0.2975, 0.5893



17.3453, 0.2639, 0.3178



0.0000, 0.0000, 0.0000



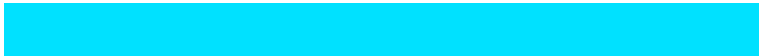
21.4041, 0.3127, 0.3290

Same Dimension

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



34.7642, 0.2147, 0.2918



60.8950, 0.2140, 0.2903



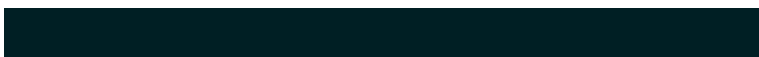
9.6509, 0.1685, 0.1249



11.8439, 0.2984, 0.3262



22.5351, 0.2143, 0.2914



1.1294, 0.2167, 0.3000

Inverse Universe

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



15.1992, 0.3526, 0.1725



26.6785, 0.3541, 0.1724



26.3880, 0.5041, 0.4361



10.7941, 0.3155, 0.3089



9.8149, 0.3530, 0.1719



0.4710, 0.3455, 0.1677

Previews

White Background



This preview shows how the Yxy color 34.7630, 0.2147, 0.2918 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 34.7630, 0.2147, 0.2918 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

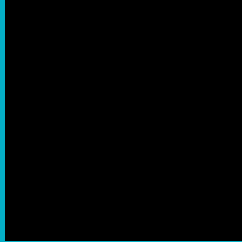
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.7630, 0.2147, 0.2918

Background



This preview shows how black text looks on a background with the Yxy color 34.7630, 0.2147, 0.2918.

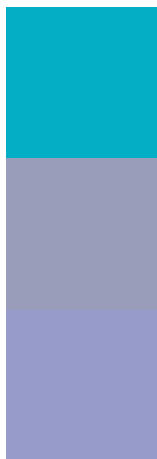


This preview shows how white text looks on a background with the Yxy color 34.7630, 0.2147, 0.2918.

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

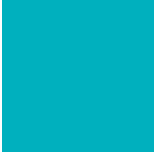
34.7630, 0.2147, 0.2918

Protanopia

34.4314, 0.2843, 0.2874

Deuteranopia

34.1910, 0.2694, 0.2634



Tritanopia

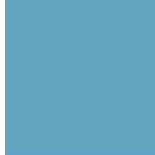
34.7684, 0.2183, 0.3058

Trichromacy



Original Color

34.7630, 0.2147, 0.2918



Protanomaly

32.9213, 0.2426, 0.2882



Deuteranomaly

32.5991, 0.2346, 0.2693



Tritanomaly

34.9138, 0.2171, 0.3011

Monochromacy



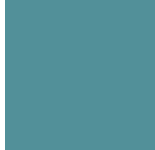
Original Color

34.7630, 0.2147, 0.2918



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.0403, 0.2494, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.7630, 0.2147, 0.2918 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(4, 175, 198)` looks like.

```
.text, #text, p{  
    color:rgb(4, 175, 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(4, 175, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 175, 198) }
```

Border

The CSS property to change the border of an element to Yxy 34.7630, 0.2147, 0.2918 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(4, 175, 198) }
```

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

```
.border{ border-color:rgb(4, 175, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(4, 175, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 175, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 175, 198);  
box-shadow:4px 4px 4px 4px rgb(4, 175,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 34.7630, 0.2147, 0.2918 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 175, 198) }
```

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

```
.background{ background-color: rgb(4, 175,  
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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