

Converting Colors

$Y_{xy}(34.0472, 0.2171, 0.2977)$

Have a look what the booklet for
Yxy(34.0472, 0.2171, 0.2977)
contains.

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Color

Yxy(34.2157, 0.2171, 0.2978)

Conversions

Conversions Part 1

Format	Color
Hex	0EAEC1
RGB	14, 174, 193
RGB Percent	5%, 68%, 76%
CMY	0.9443, 0.3176, 0.2432
CMYK	0.93, 0.10, 0.00, 0.24
HSL	186°, 86%, 41%
HSV	186°, 93%, 76%
XYZ	24.9437, 34.2157, 55.7355
YIQ	128.3260, -101.4590, -28.0110

Conversions

Conversions Part 2

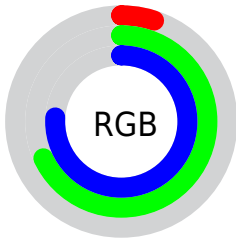
Format	Color
RYB	14, 98, 193
Decimal	962241
CIELab	65.13, -29.59, -20.10
CIELCh	65, 35.777, 214.187
Yxy	34.2157, 0.2171, 0.2978
Android (android.graphics.Color)	4279152321 (0xFF0EAEC1)
YUV	128.3260, 31.8843, -100.2639
Hunter-Lab	58.4942, -26.2471, -15.5479

Details

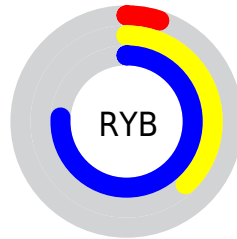
The Yxy color **34.2157, 0.2171, 0.2978** is a dark color, and the websafe version is hex **009999**. The color can be described as dark washed azure. A complement of this color would be **12.4663, 0.6160, 0.3395**, and the grayscale version is **21.6396, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.3167, 0.2349, 0.3055**, and **15.5388, 0.2135, 0.2885** is the 20% darker color. If you saturate the color by 10%, you get **33.5429, 0.2153, 0.2952**, and if you desaturate by 10%, it is **35.2516, 0.2206, 0.3014**.

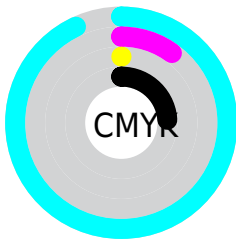
Distribution



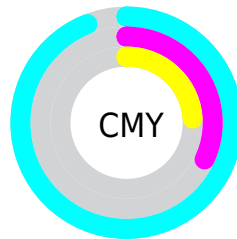
- Red (5%)
- Green (68%)
- Blue (76%)



- Red (5%)
- Yellow (38%)
- Blue (76%)



- Cyan (93%)
- Magenta (10%)
- Yellow (0%)
- Black (24%)





- Cyan (94%)
- Magenta (32%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2157, 0.2171, 0.2978 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 34.2157, 0.2171, 0.2978 by changing the saturation by 10% instead.


 34.2157, 0.2171,
0.2978


 34.2157, 0.2171,
0.2978


321.0928, 0.2654,
0.3157

 23.0594, 0.2051,
0.2926


 66.2690, 0.2347,
0.3049


 14.6373, 0.1898,
0.2855


 87.9347, 0.2413,
0.3073


 8.5653, 0.1697,
0.2752


 113.8723, 0.2468,
0.3094

 4.4587, 0.1427,
0.2596

 144.4662, 0.2516,
0.3111

 1.9333, 0.1052,
0.2338

 180.1008, 0.2557,
0.3125

 0.5683, 0.0000,
0.1877

221.1605, 0.2594,

 0.0000, 0.0000,

0.3137

0.0000

268.0297, 0.2626,
0.3148

■ 34.2157, 0.2171,
0.2978

■ 34.2157, 0.2171,
0.2978

■ 33.5429, 0.2153,
0.2952

■ 35.2516, 0.2206,
0.3014

■ 36.4815, 0.2260,
0.3051

■ 37.9339, 0.2333,
0.3088

■ 39.6313, 0.2424,
0.3124

■ 41.5936, 0.2532,
0.3160

■ 43.8384, 0.2655,
0.3193

■ 46.3818, 0.2791,
0.3226

■ 49.2387, 0.2935,
0.3256

■ 52.4228, 0.3086,
0.3283

Harmonies

Analogous

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



34.2157, 0.2424, 0.3522



34.2157, 0.2171, 0.2978



34.2157, 0.2150, 0.2593

Triad

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



34.2157, 0.2171, 0.2978



34.2157, 0.3317, 0.2679



34.2157, 0.3906, 0.4203

Complementary

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



34.2157, 0.2171, 0.2978



12.4663, 0.6160, 0.3395

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.



34.2157, 0.4199, 0.3876



34.2157, 0.2171, 0.2978



34.2157, 0.3854, 0.3029

Square

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



34.2157, 0.2171, 0.2978



34.2157, 0.2768, 0.2463



34.2157, 0.4187, 0.3453



34.2157, 0.3416, 0.4293

Rectangle

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



34.2157, 0.2171, 0.2978



34.2157, 0.2263, 0.2457



34.2157, 0.4187, 0.3453



34.2157, 0.4032, 0.4113

Sweetspot

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



34.2169, 0.2171, 0.2978



80.3739, 0.2711, 0.3207



38.3353, 0.2975, 0.5845



16.8327, 0.2653, 0.3193



97.7402, 0.3127, 0.3290



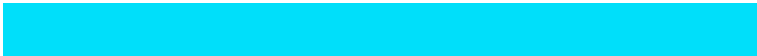
20.4902, 0.3127, 0.3290

Same Dimension

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



34.2169, 0.2171, 0.2978



59.8627, 0.2152, 0.2946



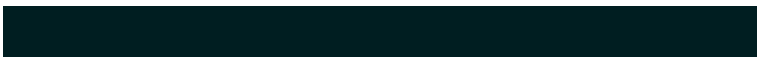
10.5543, 0.1738, 0.1399



11.2398, 0.2984, 0.3265



22.3826, 0.2155, 0.2956



1.0205, 0.2177, 0.3037

Inverse Universe

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



14.7115, 0.3471, 0.1714



25.6526, 0.3502, 0.1703



25.1580, 0.5005, 0.4347



10.2285, 0.3153, 0.3087



9.5418, 0.3493, 0.1698



0.4177, 0.3422, 0.1659

Previews

White Background



This preview shows how the Yxy color 34.2157, 0.2171, 0.2978 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 34.2157, 0.2171, 0.2978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

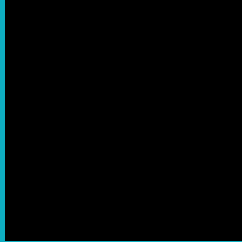
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.2157, 0.2171, 0.2978

Background



This preview shows how black text looks on a background with the Yxy color 34.2157, 0.2171, 0.2978.



This preview shows how white text looks on a background with the Yxy color 34.2157, 0.2171, 0.2978.

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

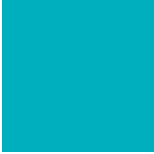
34.2157, 0.2171, 0.2978

Protanopia

33.8854, 0.2883, 0.2927

Deuteranopia

33.7217, 0.2738, 0.2684



Tritanopia

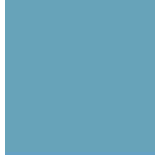
34.3341, 0.2182, 0.3057

Trichromacy



Original Color

34.2157, 0.2171, 0.2978



Protanomaly

32.5807, 0.2478, 0.2941



Deuteranomaly

32.2420, 0.2394, 0.2749



Tritanomaly

34.4099, 0.2182, 0.3041

Monochromacy



Original Color

34.2157, 0.2171, 0.2978



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.5440, 0.2539, 0.3160

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2157, 0.2171, 0.2978 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(14, 174, 193)` looks like.

```
.text, #text, p{  
    color:rgb(14, 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(14, 174, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 174, 193) }
```

Border

The CSS property to change the border of an element to Yxy 34.2157, 0.2171, 0.2978 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(14, 174, 193) }
```

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

```
.border{ border-color:rgb(14, 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(14, 174, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 174, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 174, 193);  
box-shadow:4px 4px 4px 4px rgb(14, 174,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 34.2157, 0.2171, 0.2978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 174, 193) }
```

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

```
.background{ background-color: rgb(14, 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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