

Converting Colors

$Yxy(42.9113, 0.2190, 0.3032)$

Have a look what the booklet for
Yxy(42.9113, 0.2190, 0.3032)
contains.

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Color

Yxy(42.9525, 0.2190, 0.3034)

Conversions

Conversions Part 1

Format	Color
Hex	15C1D2
RGB	21, 193, 210
RGB Percent	8%, 76%, 82%
CMY	0.9190, 0.2431, 0.1766
CMYK	0.90, 0.08, 0.00, 0.18
HSL	185°, 82%, 45%
HSV	185°, 90%, 82%
XYZ	31.0039, 42.9525, 67.6141
YIQ	143.5100, -107.9690, -31.1770

Conversions

Conversions Part 2

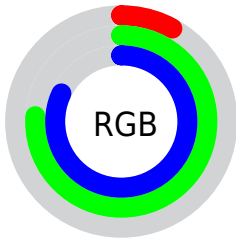
Format	Color
R_{YB}	21, 111, 210
Decimal	1425874
CIE _{Lab}	71.52, -33.06, -19.73
CIE _{LCh}	72, 38.503, 210.823
Yxy	42.9525, 0.2190, 0.3034
Android (android.graphics.Color)	4279615954 (0xFF15C1D2)
YUV	143.5100, 32.7796, -107.4413
Hunter-Lab	65.5382, -30.2493, -15.2913

Details

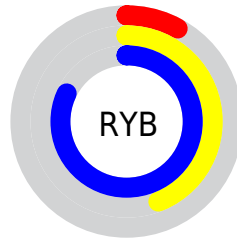
The Yxy color **42.9525, 0.2190, 0.3034** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **15.1134, 0.6131, 0.3384**, and the grayscale version is **27.5406, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.9062, 0.2401, 0.3230**, and **20.8655, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **41.9850, 0.2168, 0.3004**, and if you desaturate by 10%, it is **44.1206, 0.2227, 0.3065**.

Distribution



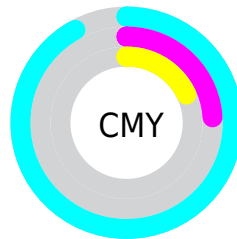
- Red (8%)
- Green (76%)
- Blue (82%)



- Red (8%)
- Yellow (44%)
- Blue (82%)



- Cyan (90%)
- Magenta (8%)
- Yellow (0%)
- Black (18%)





- Cyan (92%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 42.9525, 0.2190, 0.3034 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 42.9525, 0.2190, 0.3034 by changing the saturation by 10% instead.


 42.9525, 0.2190,
0.3034


 42.9525, 0.2190,
0.3034


358.4164, 0.2646,
0.3179

 29.8478, 0.2081,
0.2993


 79.6392, 0.2352,
0.3090

 19.7231, 0.1945,
0.2938


 103.9900, 0.2414,
0.3110


 12.1939, 0.1770,
0.2861


 132.8583, 0.2467,
0.3127

 6.8759, 0.1540,
0.2747

 166.6285, 0.2513,
0.3141

 3.3846, 0.1228,
0.2565

 205.6851, 0.2553,
0.3152

 1.3357, 0.0691,
0.2276

250.4123, 0.2588,

 0.1686, 0.0000,

0.3163

0.0904

301.1946, 0.2619,
0.3171

■ 0.0000, 0.0000,
0.0000

■ 42.9525, 0.2190,
0.3034

■ 42.9525, 0.2190,
0.3034

■ 41.9850, 0.2168,
0.3004

■ 44.1206, 0.2227,
0.3065

■ 45.5289, 0.2283,
0.3096

■ 47.2108, 0.2358,
0.3126

■ 49.1933, 0.2451,
0.3157

■ 51.5000, 0.2562,
0.3187

■ 54.1522, 0.2687,
0.3215

■ 57.1691, 0.2825,
0.3242

■ 60.5688, 0.2972,
0.3267

■ 64.3678, 0.3125,
0.3290

Harmonies

Analogous

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



42.9525, 0.2467, 0.3585



42.9525, 0.2190, 0.3034



42.9525, 0.2143, 0.2627

Triad

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



42.9525, 0.2190, 0.3034



42.9525, 0.3252, 0.2649



42.9525, 0.3949, 0.4173

Complementary

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



42.9525, 0.2190, 0.3034



15.1134, 0.6131, 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.



42.9525, 0.4212, 0.3830



42.9525, 0.2190, 0.3034



42.9525, 0.3799, 0.2986

Square

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



42.9525, 0.2190, 0.3034



42.9525, 0.2714, 0.2451



42.9525, 0.4162, 0.3404



42.9525, 0.3476, 0.4296

Rectangle

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



42.9525, 0.2190, 0.3034



42.9525, 0.2239, 0.2475



42.9525, 0.4162, 0.3404



42.9525, 0.4066, 0.4076

Sweetspot

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



42.9541, 0.2190, 0.3034



85.3248, 0.2725, 0.3223



46.3680, 0.2979, 0.5837



17.9335, 0.2679, 0.3213



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.



42.9541, 0.2190, 0.3034



65.0186, 0.2167, 0.3001



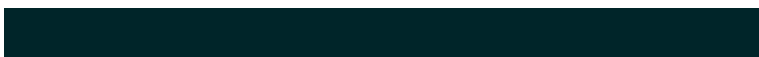
13.8343, 0.1768, 0.1487



13.2183, 0.2983, 0.3269



25.6929, 0.2169, 0.3009



1.4908, 0.2185, 0.3064

Inverse Universe

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



18.0731, 0.3422, 0.1696



27.0948, 0.3453, 0.1676



30.0092, 0.5013, 0.4318



11.9900, 0.3151, 0.3081



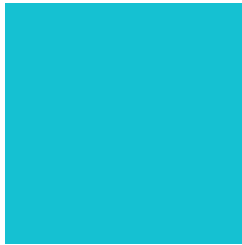
10.6650, 0.3446, 0.1672



0.6018, 0.3398, 0.1645

Previews

White Background



This preview shows how the Yxy color 42.9525, 0.2190, 0.3034 looks on a white background.

Color Contrast Check

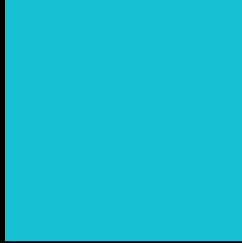
Large Text (above 18pt) WCAG AA × Fail

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 42.9525, 0.2190, 0.3034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

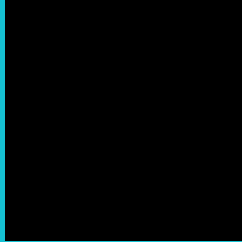
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.9525, 0.2190, 0.3034

Background



This preview shows how black text looks on a background with the Yxy color 42.9525, 0.2190, 0.3034.

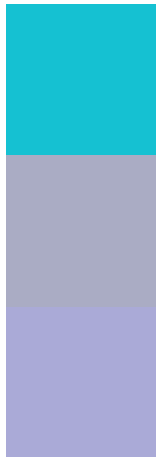


This preview shows how white text looks on a background with the Yxy color 42.9525, 0.2190, 0.3034.

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

42.9525, 0.2190, 0.3034

Protanopia

42.0366, 0.2918, 0.2971

Deuteranopia

42.2018, 0.2778, 0.2713



Tritanopia

42.8720, 0.2191, 0.3048

Trichromacy



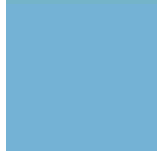
Original Color

42.9525, 0.2190, 0.3034



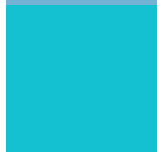
Protanomaly

40.5726, 0.2506, 0.2985



Deuteranomaly

40.3579, 0.2433, 0.2795



Tritanomaly

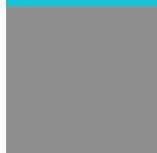
42.8818, 0.2192, 0.3048

Monochromacy



Original Color

42.9525, 0.2190, 0.3034



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.9324, 0.2563, 0.3188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.9525, 0.2190, 0.3034 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(21, 193, 210)` looks like.

```
.text, #text, p{  
    color:rgb(21, 193, 210)  
}
```

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(21, 193, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 193, 210) }
```

Border

The CSS property to change the border of an element to Yxy 42.9525, 0.2190, 0.3034 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(21, 193, 210) }
```

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

```
.border{ border-color:rgb(21, 193, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 193, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 193, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 193, 210);  
box-shadow:4px 4px 4px 4px rgb(21, 193,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 42.9525, 0.2190, 0.3034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 193, 210) }
```

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

```
.background{ background-color: rgb(21, 193,  
210) }
```

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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