

Converting Colors

$Y_{xy}(34.2322, 0.2106, 0.2724)$

Have a look what the booklet for
Yxy(34.2322, 0.2106, 0.2724)
contains.

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Color

Yxy(34.2185, 0.2106, 0.2725)

Conversions

Conversions Part 1

Format	Color
Hex	15ACD0
RGB	21, 172, 208
RGB Percent	8%, 67%, 82%
CMY	0.9188, 0.3255, 0.1842
CMYK	0.90, 0.17, 0.00, 0.18
HSL	192°, 82%, 45%
HSV	192°, 90%, 82%
XYZ	26.4456, 34.2185, 64.9084
YIQ	130.9550, -101.5520, -20.8160

Conversions

Conversions Part 2

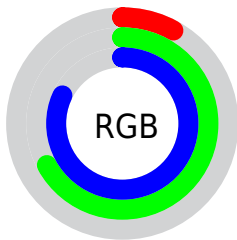
Format	Color
R _Y B	21, 105, 208
Decimal	1420496
CIE Lab	65.14, -23.30, -28.43
CIE LCh	65, 36.764, 230.663
Yxy	34.2185, 0.2106, 0.2725
Android (android.graphics.Color)	4279610576 (0xFF15ACD0)
YUV	130.9550, 37.9832, -96.4305
Hunter-Lab	58.4966, -21.6714, -24.8412

Details

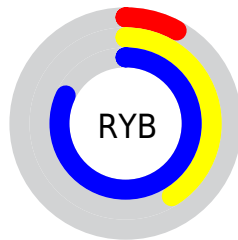
The Yxy color **34.2185, 0.2106, 0.2725** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **16.3697, 0.5953, 0.3530**, and the grayscale version is **22.5403, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.8326, 0.2333, 0.2962**, and **15.4936, 0.2047, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **32.5690, 0.2071, 0.2656**, and if you desaturate by 10%, it is **36.0918, 0.2157, 0.2795**.

Distribution



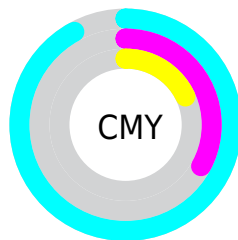
- Red (8%)
- Green (67%)
- Blue (82%)



- Red (8%)
- Yellow (41%)
- Blue (82%)



- Cyan (90%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)





- Cyan (92%)
- Magenta (33%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.2185, 0.2106, 0.2725 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 34.2185, 0.2106, 0.2725 by changing the saturation by 10% instead.


 34.2185, 0.2106,
0.2725


 34.2185, 0.2106,
0.2725


321.1052, 0.2617,
0.3032

 23.0615, 0.1981,
0.2642


 66.2733, 0.2290,
0.2842

 14.6389, 0.1823,
0.2532


 87.9399, 0.2360,
0.2884


 8.5664, 0.1619,
0.2382


 113.8785, 0.2419,
0.2919

 4.4594, 0.1349,
0.2166

 144.4735, 0.2470,
0.2949

 1.9337, 0.0987,
0.1840

 180.1093, 0.2514,
0.2974

 0.5685, 0.0000,
0.1327

221.1702, 0.2553,

 0.0000, 0.0000,

0.2996

0.0000

268.0408, 0.2587,
0.3015

■ 34.2185, 0.2106,
0.2725

■ 34.2185, 0.2106,
0.2725

■ 32.5690, 0.2071,
0.2656

■ 36.0918, 0.2157,
0.2795

■ 38.2369, 0.2227,
0.2865

■ 40.6862, 0.2316,
0.2934

■ 43.4666, 0.2423,
0.3002

■ 46.6014, 0.2545,
0.3068

■ 50.1116, 0.2679,
0.3130

■ 54.0164, 0.2823,
0.3187

■ 58.3337, 0.2973,
0.3241

■ 63.0801, 0.3127,
0.3290

Harmonies

Analogous

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



34.2185, 0.2235, 0.3208



34.2185, 0.2106, 0.2725



34.2185, 0.2214, 0.2453

Triad

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



34.2185, 0.2106, 0.2725



34.2185, 0.3639, 0.2847



34.2185, 0.3665, 0.4319

Complementary

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



34.2185, 0.2106, 0.2725



16.3697, 0.5953, 0.3530

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.



34.2185, 0.4094, 0.4094



34.2185, 0.2106, 0.2725



34.2185, 0.4099, 0.3255

Square

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



34.2185, 0.2106, 0.2725



34.2185, 0.3057, 0.2544



34.2185, 0.4265, 0.3698



34.2185, 0.3113, 0.4224

Rectangle

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



34.2185, 0.2106, 0.2725



34.2185, 0.2411, 0.2395



34.2185, 0.4265, 0.3698



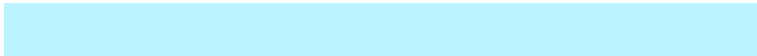
34.2185, 0.3829, 0.4273

Sweetspot

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



34.2197, 0.2106, 0.2725



81.0376, 0.2718, 0.3146



45.5623, 0.2934, 0.5674



16.9066, 0.2669, 0.3125



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.



34.2197, 0.2106, 0.2725



51.3393, 0.2069, 0.2648



10.4547, 0.1694, 0.1216



13.0044, 0.2983, 0.3244



20.4264, 0.2074, 0.2666



1.2438, 0.2109, 0.2793

Inverse Universe

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



16.9200, 0.3700, 0.1856



25.7139, 0.3777, 0.1855



34.8744, 0.4773, 0.4516



11.9684, 0.3167, 0.3104



10.1333, 0.3760, 0.1845



0.5769, 0.3641, 0.1779

Previews

White Background



This preview shows how the Yxy color 34.2185, 0.2106, 0.2725 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 34.2185, 0.2106, 0.2725 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 34.2185, 0.2106, 0.2725

Background



This preview shows how black text looks on a background with the Yxy color 34.2185, 0.2106, 0.2725.

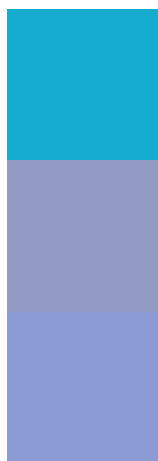


This preview shows how white text looks on a background with the Yxy color 34.2185, 0.2106, 0.2725.

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

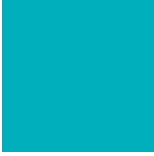
34.2185, 0.2106, 0.2725

Protanopia

33.6313, 0.2713, 0.2706

Deuteranopia

33.8589, 0.2554, 0.2500



Tritanopia

34.2908, 0.2187, 0.3072

Trichromacy



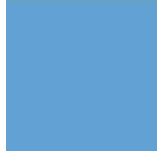
Original Color

34.2185, 0.2106, 0.2725



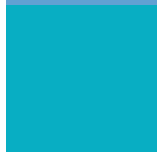
Protanomaly

32.4266, 0.2371, 0.2694



Deuteranomaly

32.7343, 0.2289, 0.2546



Tritanomaly

34.2639, 0.2158, 0.2947

Monochromacy



Original Color

34.2185, 0.2106, 0.2725



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.2851, 0.2521, 0.3057

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.2185, 0.2106, 0.2725 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, 172, 208)` looks like.

```
.text, #text, p{  
    color:rgb(21, 172, 208)  
}
```

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, 172, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 172, 208) }
```

Border

The CSS property to change the border of an element to Yxy 34.2185, 0.2106, 0.2725 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, 172, 208) }
```

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

```
.border{ border-color:rgb(21, 172, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 172, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 172, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 172, 208);  
box-shadow:4px 4px 4px 4px rgb(21, 172,  
208) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 34.2185, 0.2106, 0.2725$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 172, 208) }
```

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

```
.background{ background-color: rgb(21, 172,  
208) }
```

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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