

Converting Colors

$Y_{xy}(33.8743, 0.2089, 0.2734)$

Have a look what the booklet for
Yxy(33.8743, 0.2089, 0.2734)
contains.

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Color

Yxy(34.0100, 0.2094, 0.2737)

Conversions

Conversions Part 1

Format	Color
Hex	01ACCF
RGB	1, 172, 207
RGB Percent	0%, 67%, 81%
CMY	0.9980, 0.3255, 0.1882
CMYK	1.00, 0.17, 0.00, 0.19
HSL	190°, 100%, 41%
HSV	190°, 100%, 81%
XYZ	26.0201, 34.0100, 64.2301
YIQ	124.8610, -113.1510, -25.3670

Conversions

Conversions Part 2

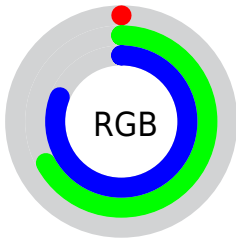
Format	Color
RYB	1, 94, 207
Decimal	109775
CIELab	64.97, -24.35, -28.13
CIElCh	65, 37.207, 229.117
Yxy	34.0100, 0.2094, 0.2737
Android (android.graphics.Color)	4278299855 (0xFF01ACCF)
YUV	124.8610, 40.4945, -108.6261
Hunter-Lab	58.3181, -22.4144, -24.4778

Details

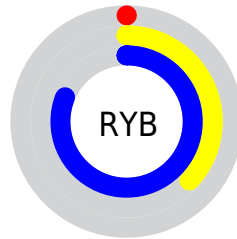
The Yxy color **34.0100, 0.2094, 0.2737** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.5009, 0.6233, 0.3430**, and the grayscale version is **20.2957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.5904, 0.2320, 0.2961**, and **15.4936, 0.2047, 0.2569** is the 20% darker color. If you saturate the color by 10%, you get **33.9753, 0.2093, 0.2736**, and if you desaturate by 10%, it is **35.5234, 0.2126, 0.2797**.

Distribution



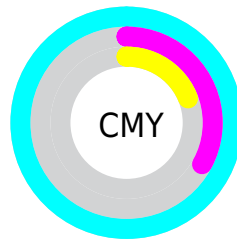
- Red (0%)
- Green (67%)
- Blue (81%)



- Red (0%)
- Yellow (37%)
- Blue (81%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0100, 0.2094, 0.2737 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 34.0100, 0.2094, 0.2737 by changing the saturation by 10% instead.


 34.0100, 0.2094,
0.2737


 34.0100, 0.2094,
0.2737


320.1766, 0.2611,
0.3039


 22.9013, 0.1967,
0.2655


 65.9492, 0.2281,
0.2852


 14.5206, 0.1808,
0.2546


 87.5485, 0.2351,
0.2894

 8.4837, 0.1601,
0.2396


 113.4134, 0.2411,
0.2928

 4.4060, 0.1328,
0.2181

 143.9284, 0.2463,
0.2957

 1.9031, 0.0963,
0.1854

 179.4778, 0.2507,
0.2982

 0.5503, 0.0000,
0.1321

220.4461, 0.2546,

 0.0000, 0.0000,

0.3004

0.0000

267.2176, 0.2581,
0.3023

■ 34.0100, 0.2094,
0.2737

■ 34.0100, 0.2094,
0.2737

■ 33.9753, 0.2093,
0.2736

■ 35.5234, 0.2126,
0.2797

■ 37.2414, 0.2175,
0.2858

■ 39.2203, 0.2242,
0.2919

■ 41.4908, 0.2328,
0.2980

■ 44.0790, 0.2433,
0.3039

■ 47.0078, 0.2553,
0.3096

■ 50.2979, 0.2686,
0.3150

■ 53.9680, 0.2828,
0.3201

■ 58.0357, 0.2978,
0.3248

Harmonies

Analogous

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



34.0100, 0.2236, 0.3235



34.0100, 0.2094, 0.2737



34.0100, 0.2191, 0.2450

Triad

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



34.0100, 0.2094, 0.2737



34.0100, 0.3617, 0.2823



34.0100, 0.3698, 0.4328

Complementary

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



34.0100, 0.2094, 0.2737



14.5009, 0.6233, 0.3430

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.



34.0100, 0.4123, 0.4086



34.0100, 0.2094, 0.2737



34.0100, 0.4095, 0.3231

Square

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



34.0100, 0.2094, 0.2737



34.0100, 0.3026, 0.2523



34.0100, 0.4281, 0.3679



34.0100, 0.3142, 0.4253

Rectangle

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



34.0100, 0.2094, 0.2737



34.0100, 0.2383, 0.2384



34.0100, 0.4281, 0.3679



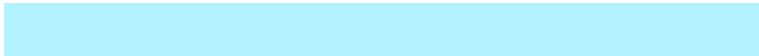
34.0100, 0.3862, 0.4276

Sweetspot

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



34.0112, 0.2094, 0.2737



80.2652, 0.2677, 0.3147



44.7544, 0.2961, 0.5857



16.6863, 0.2620, 0.3124



0.0000, 0.0000, 0.0000



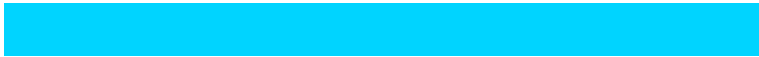
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0112, 0.2094, 0.2737



54.1872, 0.2091, 0.2728



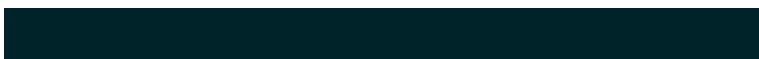
8.8070, 0.1631, 0.1071



13.0516, 0.2983, 0.3250



21.5250, 0.2096, 0.2744



1.2960, 0.2126, 0.2854

Inverse Universe

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



16.2560, 0.3693, 0.1809



26.0014, 0.3701, 0.1813



31.4951, 0.4936, 0.4461



11.9732, 0.3163, 0.3099



10.2442, 0.3687, 0.1805



0.5821, 0.3585, 0.1748

Previews

White Background



This preview shows how the Yxy color 34.0100, 0.2094, 0.2737 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 34.0100, 0.2094, 0.2737 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

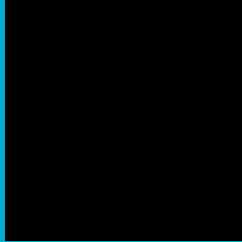
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0100, 0.2094, 0.2737

Background



This preview shows how black text looks on a background with the Yxy color 34.0100, 0.2094, 0.2737.

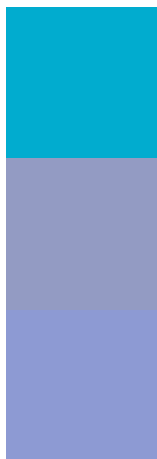


This preview shows how white text looks on a background with the Yxy color 34.0100, 0.2094, 0.2737.

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

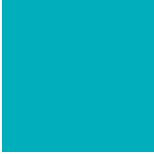
34.0165, 0.2094, 0.2737

Protanopia

33.5859, 0.2720, 0.2719

Deuteranopia

33.4771, 0.2558, 0.2497



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



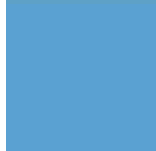
Original Color

34.0165, 0.2094, 0.2737



Protanomaly

31.9929, 0.2337, 0.2702



Deuteranomaly

32.3165, 0.2258, 0.2552



Tritanomaly

33.8273, 0.2147, 0.2929

Monochromacy



Original Color

34.0165, 0.2094, 0.2737



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.4180, 0.2459, 0.3047

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0100, 0.2094, 0.2737 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(1, 172, 207)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 207)  
}
```

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(1, 172, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 207) }
```

Border

The CSS property to change the border of an element to Yxy 34.0100, 0.2094, 0.2737 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(1, 172, 207) }
```

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

```
.border{ border-color:rgb(1, 172, 207) }
```

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

Here you see how a box with a 4 pixel rgb(1, 172, 207) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 207);  
box-shadow:4px 4px 4px 4px rgb(1, 172,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0100, 0.2094, 0.2737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 207) }
```

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

```
.background{ background-color: rgb(1, 172,  
207) }
```

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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