

Converting Colors

$Y_{xy}(33.9198, 0.2054, 0.2593)$

Have a look what the booklet for
Yxy(33.9198, 0.2054, 0.2593)
contains.

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Color

Yxy(34.0901, 0.2056, 0.2599)

Conversions

Conversions Part 1

Format	Color
Hex	01ABD8
RGB	1, 171, 216
RGB Percent	0%, 67%, 85%
CMY	0.9958, 0.3294, 0.1530
CMYK	1.00, 0.21, 0.00, 0.15
HSL	193°, 99%, 43%
HSV	193°, 100%, 85%
XYZ	26.9678, 34.0901, 70.1083
YIQ	125.3000, -115.7650, -22.0450

Conversions

Conversions Part 2

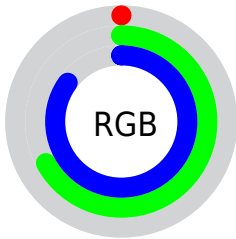
Format	Color
RYB	1, 96, 216
Decimal	109528
CIELab	65.03, -20.73, -32.99
CIELCh	65, 38.963, 237.853
Yxy	34.0901, 0.2056, 0.2599
Android (android.graphics.Color)	4278299608 (0xFF01ABD8)
YUV	125.3000, 44.7151, -109.0111
Hunter-Lab	58.3867, -19.7309, -30.3222

Details

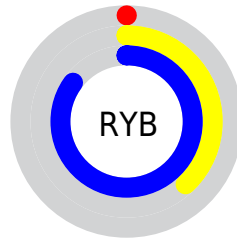
The Yxy color **34.0901, 0.2056, 0.2599** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.5550, 0.6163, 0.3483**, and the grayscale version is **20.4977, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5558, 0.2317, 0.2936**, and **15.7669, 0.2009, 0.2430** is the 20% darker color. If you saturate the color by 10%, you get **33.9999, 0.2054, 0.2595**, and if you desaturate by 10%, it is **35.9995, 0.2093, 0.2675**.

Distribution



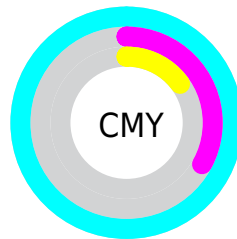
- Red (0%)
- Green (67%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0901, 0.2056, 0.2599 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 34.0901, 0.2056, 0.2599 by changing the saturation by 10% instead.

■ 34.0901, 0.2056,
0.2599

■ 34.0901, 0.2056,
0.2599

■ 320.5336, 0.2590,
0.2968

■ 22.9628, 0.1927,
0.2502

■ 66.0738, 0.2248,
0.2737

■ 14.5661, 0.1765,
0.2375

■ 87.6989, 0.2320,
0.2788

■ 8.5154, 0.1557,
0.2204

■ 113.5922, 0.2382,
0.2831

■ 4.4265, 0.1286,
0.1966

■ 144.1379, 0.2435,
0.2867

■ 1.9149, 0.0929,
0.1620

■ 179.7206, 0.2482,
0.2897

■ 0.5573, 0.0046,
0.1092

■ 220.7244, 0.2522,

■ 0.0000, 0.0000,

0.2924

0.0000

267.5340, 0.2558,
0.2947

■ 34.0901, 0.2056,
0.2599

■ 34.0901, 0.2056,
0.2599

■ 33.9999, 0.2054,
0.2595

■ 35.9995, 0.2093,
0.2675

■ 38.1584, 0.2147,
0.2752

■ 40.6258, 0.2220,
0.2829

■ 43.4362, 0.2313,
0.2905

■ 46.6186, 0.2423,
0.2979

■ 50.1987, 0.2548,
0.3051

■ 54.1996, 0.2684,
0.3118

■ 58.6423, 0.2830,
0.3181

■ 63.5465, 0.2981,
0.3240

Harmonies

Analogous

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



34.0901, 0.2130, 0.3060



34.0901, 0.2056, 0.2599



34.0901, 0.2227, 0.2372

Triad

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



34.0901, 0.2056, 0.2599



34.0901, 0.3807, 0.2917



34.0901, 0.3558, 0.4395

Complementary

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



34.0901, 0.2056, 0.2599



16.5550, 0.6163, 0.3483

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.



34.0901, 0.4059, 0.4217



34.0901, 0.2056, 0.2599



34.0901, 0.4234, 0.3360

Square

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



34.0901, 0.2056, 0.2599



34.0901, 0.3199, 0.2567



34.0901, 0.4321, 0.3824



34.0901, 0.2968, 0.4205

Rectangle

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



34.0901, 0.2056, 0.2599



34.0901, 0.2469, 0.2349



34.0901, 0.4321, 0.3824



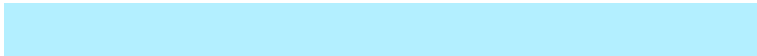
34.0901, 0.3743, 0.4371

Sweetspot

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



34.0913, 0.2056, 0.2599



78.4722, 0.2673, 0.3113



49.2892, 0.2947, 0.5806



16.2534, 0.2614, 0.3085



0.0000, 0.0000, 0.0000



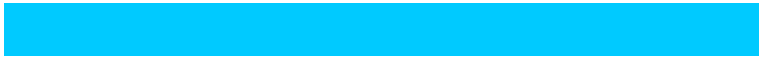
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0913, 0.2056, 0.2599



49.2914, 0.2052, 0.2588



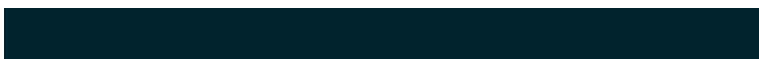
8.8067, 0.1609, 0.0989



13.6461, 0.2982, 0.3240



20.2897, 0.2058, 0.2607



1.3370, 0.2094, 0.2738

Inverse Universe

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



17.5591, 0.3825, 0.1883



25.5071, 0.3835, 0.1887



36.8939, 0.4847, 0.4531



12.5861, 0.3169, 0.3108



10.3931, 0.3817, 0.1877



0.6383, 0.3692, 0.1808

Previews

White Background



This preview shows how the Yxy color 34.0901, 0.2056, 0.2599 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 34.0901, 0.2056, 0.2599 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

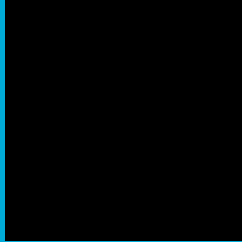
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.0901, 0.2056, 0.2599

Background



This preview shows how black text looks on a background with the Yxy color 34.0901, 0.2056, 0.2599.

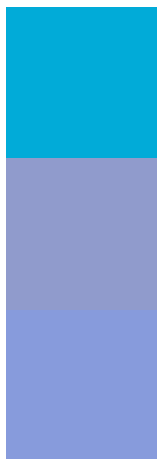


This preview shows how white text looks on a background with the Yxy color 34.0901, 0.2056, 0.2599.

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

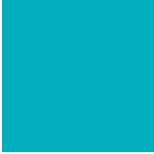
34.0901, 0.2056, 0.2599

Protanopia

33.7316, 0.2631, 0.2601

Deuteranopia

33.7609, 0.2460, 0.2398



Tritanopia

33.9029, 0.2182, 0.3055

Trichromacy



Original Color

34.0901, 0.2056, 0.2599

Protanomaly

32.3191, 0.2279, 0.2580

Deuteranomaly

32.5826, 0.2196, 0.2437

Tritanomaly

33.9644, 0.2135, 0.2884

Monochromacy



Original Color

34.0901, 0.2056, 0.2599

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.5201, 0.2438, 0.2994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0901, 0.2056, 0.2599 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, 171, 216)` looks like.

```
.text, #text, p{  
    color:rgb(1, 171, 216)  
}
```

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, 171, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 171, 216) }
```

Border

The CSS property to change the border of an element to Yxy 34.0901, 0.2056, 0.2599 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, 171, 216) }
```

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

```
.border{ border-color:rgb(1, 171, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 171, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 171, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 171, 216);  
box-shadow:4px 4px 4px 4px rgb(1, 171,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0901, 0.2056, 0.2599 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 171, 216) }
```

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

```
.background{ background-color: rgb(1, 171,  
216) }
```

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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