

Converting Colors

$Y_{xy}(33.7069, 0.2048, 0.2571)$

Have a look what the booklet for
Yxy(33.7069, 0.2048, 0.2571)
contains.

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Color

Yxy(33.7657, 0.2048, 0.2569)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 02AAD9 |
| RGB | 2, 170, 217 |
| RGB Percent | 1%, 67%, 85% |
| CMY | 0.9937, 0.3334, 0.1490 |
| CMYK | 0.99, 0.22, 0.00, 0.15 |
| HSL | 193°, 99%, 43% |
| HSV | 193°, 99%, 85% |
| XYZ | 26.9179, 33.7657, 70.7516 |
| YIQ | 125.1260, -115.2150, -20.9990 |

Conversions

Conversions Part 2

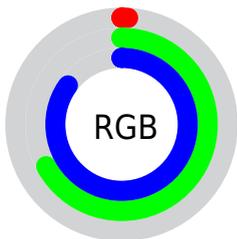
| Format | Color |
|-------------------------------------|---------------------------------|
| R_YB | 2, 96, 217 |
| Decimal | 174809 |
| CIE Lab | 64.78, -19.82, -33.96 |
| CIE LCh | 65, 39.322, 239.728 |
| Yxy | 33.7657, 0.2048, 0.2569 |
| Android (android.graphics.Color) | 4278364889 (0xFF02AAD9) |
| YUV | 125.1260, 45.2939, -107.9815 |
| Hunter-Lab | 58.1083, -19.0016, -31.5146 |

Details

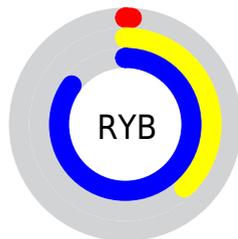
The Yxy color **33.7657, 0.2048, 0.2569** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.9229, 0.6141, 0.3498**, and the grayscale version is **20.3838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.0135, 0.2314, 0.2923**, and **15.5655, 0.1998, 0.2392** is the 20% darker color. If you saturate the color by 10%, you get **33.6249, 0.2045, 0.2563**, and if you desaturate by 10%, it is **35.7505, 0.2086, 0.2649**.

Distribution



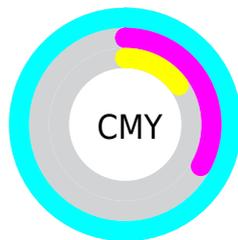
- Red (1%)
- Green (67%)
- Blue (85%)



- Red (1%)
- Yellow (38%)
- Blue (85%)



- Cyan (99%)
- Magenta (22%)
- Yellow (0%)
- Black (15%)



- Cyan (99%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7657, 0.2048, 0.2569 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 33.7657, 0.2048, 0.2569 by changing the saturation by 10% instead.

 33.7657, 0.2048,
0.2569

 33.7657, 0.2048,
0.2569

319.0861, 0.2586,
0.2953

 22.7137, 0.1918,
0.2468

 65.5691, 0.2241,
0.2713

 14.3822, 0.1755,
0.2337

 87.0893, 0.2315,
0.2766

 8.3870, 0.1545,
0.2162

 112.8677, 0.2377,
0.2810

 4.3436, 0.1273,
0.1917

 143.2887, 0.2431,
0.2847

 1.8675, 0.0916,
0.1566

 178.7366, 0.2477,
0.2879

 0.5288, 0.0036,
0.1022

219.5959, 0.2518,

 0.0000, 0.0000,

0.2907

0.0000

266.2509, 0.2554,
0.2931

■ 33.7657, 0.2048,
0.2569

■ 33.7657, 0.2048,
0.2569

■ 33.6249, 0.2045,
0.2563

■ 35.7505, 0.2086,
0.2649

■ 37.9956, 0.2142,
0.2729

■ 40.5588, 0.2217,
0.2810

■ 43.4747, 0.2311,
0.2889

■ 46.7728, 0.2423,
0.2967

■ 50.4790, 0.2549,
0.3042

■ 54.6166, 0.2687,
0.3112

■ 59.2072, 0.2833,
0.3178

■ 64.2704, 0.2985,
0.3239

Harmonies

Analogous

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



33.7657, 0.2106, 0.3021



33.7657, 0.2048, 0.2569



33.7657, 0.2235, 0.2356

Triad

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



33.7657, 0.2048, 0.2569



33.7657, 0.3850, 0.2938



33.7657, 0.3526, 0.4410

Complementary

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



33.7657, 0.2048, 0.2569



16.9229, 0.6141, 0.3498

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.



33.7657, 0.4043, 0.4247



33.7657, 0.2048, 0.2569



33.7657, 0.4265, 0.3389

Square

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



33.7657, 0.2048, 0.2569



33.7657, 0.3239, 0.2578



33.7657, 0.4328, 0.3857



33.7657, 0.2928, 0.4192

Rectangle

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



33.7657, 0.2048, 0.2569



33.7657, 0.2489, 0.2341



33.7657, 0.4328, 0.3857



33.7657, 0.3715, 0.4392

Sweetspot

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



33.7669, 0.2048, 0.2569



78.0685, 0.2673, 0.3105



49.8578, 0.2939, 0.5774



16.1561, 0.2613, 0.3076



0.0000, 0.0000, 0.0000



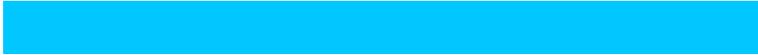
21.4041, 0.3127, 0.3290

Same Dimension

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



33.7669, 0.2048, 0.2569



48.2214, 0.2043, 0.2556



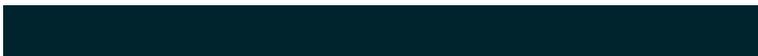
8.5361, 0.1600, 0.0955



14.3221, 0.2982, 0.3238



20.5139, 0.2049, 0.2575



1.4510, 0.2085, 0.2705

Inverse Universe

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



17.6904, 0.3854, 0.1900



25.3991, 0.3867, 0.1904



38.5276, 0.4801, 0.4566



13.2236, 0.3171, 0.3109



10.6947, 0.3849, 0.1894



0.7052, 0.3724, 0.1825

Previews

White Background



This preview shows how the Yxy color 33.7657, 0.2048, 0.2569 looks on a white background.

Color Contrast Check

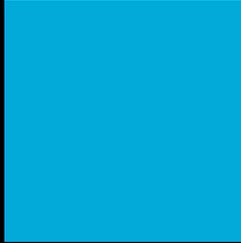
Large Text (above 18pt) WCAG AA × Fail

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 33.7657, 0.2048, 0.2569 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

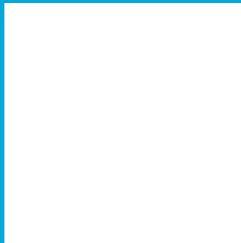
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.7657, 0.2048, 0.2569

Background



This preview shows how black text looks on a background with the Yxy color 33.7657, 0.2048, 0.2569.



This preview shows how white text looks on a background with the Yxy color 33.7657, 0.2048, 0.2569.

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

33.7721, 0.2048, 0.2569

Protanopia

33.2698, 0.2607, 0.2571

Deuteranopia

33.6497, 0.2440, 0.2383



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

33.7721, 0.2048, 0.2569



Protanomaly

31.9692, 0.2265, 0.2550



Deuteranomaly

32.2402, 0.2184, 0.2408



Tritanomaly

33.9708, 0.2135, 0.2884

Monochromacy



Original Color

33.7721, 0.2048, 0.2569



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.2238, 0.2435, 0.2975

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7657, 0.2048, 0.2569 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(2, 170, 217)` looks like.

```
.text, #text, p{  
    color:rgb(2, 170, 217)  
}
```

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(2, 170, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 170, 217) }
```

Border

The CSS property to change the border of an element to Yxy 33.7657, 0.2048, 0.2569 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(2, 170, 217) }
```

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

```
.border{ border-color:rgb(2, 170, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 170, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 170, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 170, 217);  
box-shadow:4px 4px 4px 4px rgb(2, 170,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7657, 0.2048, 0.2569 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 170, 217) }
```

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

```
.background{ background-color: rgb(2, 170,  
217) }
```

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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