

Converting Colors

$Yxy(31.3323, 0.1893, 0.2507)$

Have a look what the booklet for
Yxy(31.3323, 0.1893, 0.2507)
contains.

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Color

Yxy(32.5953, 0.2037, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	00A7D8
RGB	0, 167, 216
RGB Percent	0%, 65%, 85%
CMY	1.0000, 0.3451, 0.1529
CMYK	1.00, 0.23, 0.00, 0.15
HSL	194°, 100%, 42%
HSV	194°, 100%, 85%
XYZ	26.2126, 32.5953, 69.8746
YIQ	122.6530, -115.2610, -20.1650

Conversions

Conversions Part 2

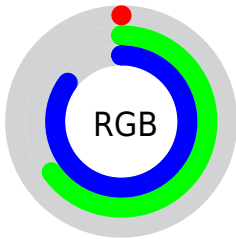
Format	Color
RYB	0, 94, 216
Decimal	42968
CIELab	63.83, -18.65, -34.87
CIELCh	64, 39.542, 241.866
Yxy	32.5953, 0.2037, 0.2533
Android (android.graphics.Color)	4278233048 (0xFF00A7D8)
YUV	122.6530, 46.0201, -107.5667
Hunter-Lab	57.0923, -17.9573, -32.5998

Details

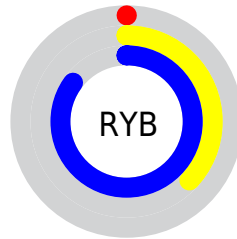
The Yxy color **32.5953, 0.2037, 0.2533** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.7951, 0.6141, 0.3506**, and the grayscale version is **19.5622, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.4056, 0.2306, 0.2885**, and **14.8347, 0.1984, 0.2343** is the 20% darker color. If you saturate the color by 10%, you get **32.5965, 0.2037, 0.2533**, and if you desaturate by 10%, it is **34.5920, 0.2076, 0.2616**.

Distribution



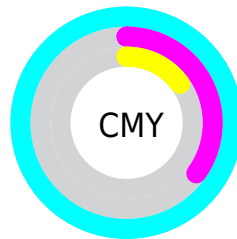
- Red (0%)
- Green (65%)
- Blue (85%)



- Red (0%)
- Yellow (37%)
- Blue (85%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (15%)





- Cyan (100%)
- Magenta (35%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5953, 0.2037, 0.2533 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 32.5953, 0.2037, 0.2533 by changing the saturation by 10% instead.

 32.5953, 0.2037,
0.2533


 32.5953, 0.2037,
0.2533

313.8222, 0.2583,
0.2936


 21.8166, 0.1904,
0.2427


 63.7432, 0.2234,
0.2684


 13.7222, 0.1738,
0.2290


 84.8811, 0.2308,
0.2739


 7.9277, 0.1524,
0.2106


 110.2410, 0.2371,
0.2786

 4.0487, 0.1245,
0.1850

 140.2071, 0.2426,
0.2825

 1.7009, 0.0882,
0.1484

 175.1639, 0.2473,
0.2859

 0.4242, 0.0000,
0.0864

215.4957, 0.2514,

 0.0000, 0.0000,

0.2888

0.0000

261.5870, 0.2551,
0.2914

■ 32.5953, 0.2037,
0.2533

■ 32.5953, 0.2037,
0.2533

■ 32.5965, 0.2037,
0.2533

■ 34.5920, 0.2076,
0.2616

■ 36.8421, 0.2131,
0.2700

■ 39.4088, 0.2206,
0.2784

■ 42.3272, 0.2300,
0.2867

■ 45.6266, 0.2412,
0.2948

■ 49.3331, 0.2538,
0.3026

■ 53.4698, 0.2676,
0.3100

■ 58.0583, 0.2822,
0.3169

■ 63.1182, 0.2974,
0.3232

Harmonies

Analogous

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



32.5953, 0.2078, 0.2975



32.5953, 0.2037, 0.2533



32.5953, 0.2244, 0.2335

Triad

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



32.5953, 0.2037, 0.2533



32.5953, 0.3902, 0.2962



32.5953, 0.3488, 0.4428

Complementary

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



32.5953, 0.2037, 0.2533



16.7951, 0.6141, 0.3506

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.



32.5953, 0.4026, 0.4284



32.5953, 0.2037, 0.2533



32.5953, 0.4302, 0.3423

Square

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



32.5953, 0.2037, 0.2533



32.5953, 0.3286, 0.2588



32.5953, 0.4338, 0.3896



32.5953, 0.2882, 0.4178

Rectangle

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



32.5953, 0.2037, 0.2533



32.5953, 0.2512, 0.2331



32.5953, 0.4338, 0.3896



32.5953, 0.3683, 0.4419

Sweetspot

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



32.5965, 0.2037, 0.2533



77.6880, 0.2672, 0.3098



49.3151, 0.2940, 0.5785



16.0645, 0.2612, 0.3067



0.0000, 0.0000, 0.0000



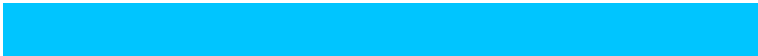
21.4041, 0.3127, 0.3290

Same Dimension

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



32.5965, 0.2037, 0.2533



47.2239, 0.2035, 0.2525



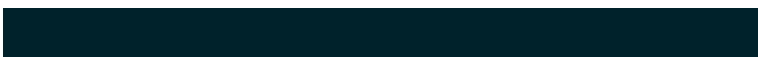
8.3167, 0.1595, 0.0943



13.6078, 0.2982, 0.3236



19.4630, 0.2041, 0.2546



1.2936, 0.2080, 0.2689

Inverse Universe

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



17.3890, 0.3890, 0.1916



25.2984, 0.3897, 0.1920



37.9749, 0.4808, 0.4564



12.5822, 0.3172, 0.3112



10.3096, 0.3877, 0.1909



0.6339, 0.3739, 0.1833

Previews

White Background



This preview shows how the Yxy color 32.5953, 0.2037, 0.2533 looks on a white background.

Color Contrast Check

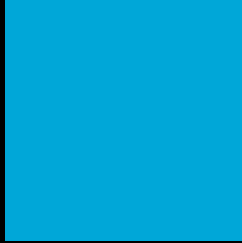
Large Text (above 18pt) WCAG AA × Fail

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 32.5953, 0.2037, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

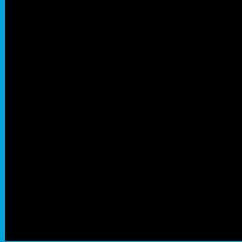
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5953, 0.2037, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 32.5953, 0.2037, 0.2533.

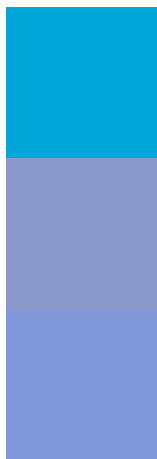


This preview shows how white text looks on a background with the Yxy color 32.5953, 0.2037, 0.2533.

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

32.5953, 0.2037, 0.2533

Protanopia

32.3051, 0.2587, 0.2549

Deuteranopia

32.2381, 0.2417, 0.2357



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



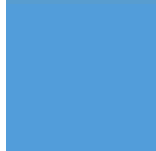
Original Color

32.5953, 0.2037, 0.2533



Protanomaly

30.7427, 0.2245, 0.2512



Deuteranomaly

30.9697, 0.2169, 0.2383



Tritanomaly

32.7350, 0.2129, 0.2863

Monochromacy



Original Color

32.5953, 0.2037, 0.2533



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.5193, 0.2421, 0.2953

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5953, 0.2037, 0.2533 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(0, 167, 216)` looks like.

```
.text, #text, p{  
  color:rgb(0, 167, 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(0, 167, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 216) }
```

Border

The CSS property to change the border of an element to Yxy 32.5953, 0.2037, 0.2533 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(0, 167, 216) }
```

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

```
.border{ border-color:rgb(0, 167, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 216);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5953, 0.2037, 0.2533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 216) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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