

Converting Colors

$Y_{xy}(29.8362, 0.1813, 0.2626)$

Have a look what the booklet for
Yxy(29.8362, 0.1813, 0.2626)
contains.

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Color

Yxy(32.0937, 0.2074, 0.2667)

Conversions

Conversions Part 1

Format	Color
Hex	00A7CE
RGB	0, 167, 206
RGB Percent	0%, 65%, 81%
CMY	1.0000, 0.3451, 0.1921
CMYK	1.00, 0.19, 0.00, 0.19
HSL	191°, 100%, 40%
HSV	191°, 100%, 81%
XYZ	24.9578, 32.0937, 63.2849
YIQ	121.5130, -112.0510, -23.2750

Conversions

Conversions Part 2

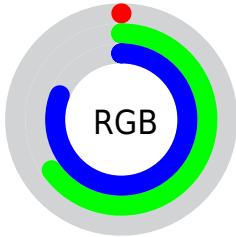
Format	Color
RYB	0, 92, 206
Decimal	42958
CIELab	63.42, -22.15, -29.98
CIELCh	63, 37.272, 233.539
Yxy	32.0937, 0.2074, 0.2667
Android (android.graphics.Color)	4278233038 (0xFF00A7CE)
YUV	121.5130, 41.6521, -106.5669
Hunter-Lab	56.6513, -20.5015, -26.5766

Details

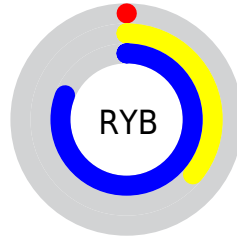
The Yxy color **32.0937, 0.2074, 0.2667** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.5769, 0.6206, 0.3455**, and the grayscale version is **19.1869, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2873, 0.2299, 0.2884**, and **14.5285, 0.2027, 0.2496** is the 20% darker color. If you saturate the color by 10%, you get **32.0970, 0.2074, 0.2667**, and if you desaturate by 10%, it is **33.7034, 0.2109, 0.2735**.

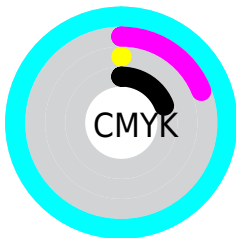
Distribution



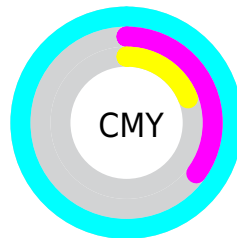
- Red (0%)
- Green (65%)
- Blue (81%)



- Red (0%)
- Yellow (36%)
- Blue (81%)



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



- Cyan (100%)
- Magenta (35%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0937, 0.2074, 0.2667 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 32.0937, 0.2074, 0.2667 by changing the saturation by 10% instead.


 32.0937, 0.2074,
0.2667

 32.0937, 0.2074,
0.2667


311.5459, 0.2605,
0.3006


 21.4331, 0.1943,
0.2575


 62.9580, 0.2266,
0.2796

 13.4409, 0.1778,
0.2453


 83.9304, 0.2339,
0.2843


 7.7329, 0.1563,
0.2287


 109.1088, 0.2401,
0.2882

 3.9245, 0.1280,
0.2048

 138.8778, 0.2453,
0.2915

 1.6314, 0.0903,
0.1689

 173.6215, 0.2499,
0.2943

 0.3786, 0.0000,
0.0982

213.7246, 0.2539,

 0.0000, 0.0000,

0.2967

0.0000

259.5712, 0.2574,
0.2988

■ 32.0937, 0.2074,
0.2667

■ 32.0937, 0.2074,
0.2667

■ 32.0970, 0.2074,
0.2667

■ 33.7034, 0.2109,
0.2735

■ 35.5187, 0.2159,
0.2803

■ 37.5996, 0.2229,
0.2872

■ 39.9768, 0.2318,
0.2941

■ 42.6762, 0.2424,
0.3007

■ 45.7207, 0.2546,
0.3071

■ 49.1308, 0.2681,
0.3132

■ 52.9251, 0.2824,
0.3189

■ 57.1212, 0.2974,
0.3242

Harmonies

Analogous

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



32.0937, 0.2182, 0.3147



32.0937, 0.2074, 0.2667



32.0937, 0.2208, 0.2410

Triad

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



32.0937, 0.2074, 0.2667



32.0937, 0.3711, 0.2869



32.0937, 0.3629, 0.4363

Complementary

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



32.0937, 0.2074, 0.2667



14.5769, 0.6206, 0.3455

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.



32.0937, 0.4093, 0.4152



32.0937, 0.2074, 0.2667



32.0937, 0.4166, 0.3294

Square

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



32.0937, 0.2074, 0.2667



32.0937, 0.3111, 0.2545



32.0937, 0.4303, 0.3751



32.0937, 0.3055, 0.4231

Rectangle

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



32.0937, 0.2074, 0.2667



32.0937, 0.2425, 0.2366



32.0937, 0.4303, 0.3751



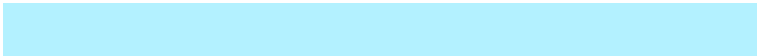
32.0937, 0.3804, 0.4324

Sweetspot

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



32.0970, 0.2074, 0.2667



79.3668, 0.2675, 0.3130



44.2914, 0.2954, 0.5836



16.4693, 0.2617, 0.3105



0.0000, 0.0000, 0.0000



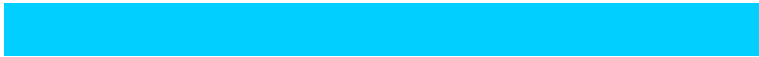
21.4041, 0.3127, 0.3290

Same Dimension

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



32.0970, 0.2074, 0.2667



51.7049, 0.2072, 0.2659



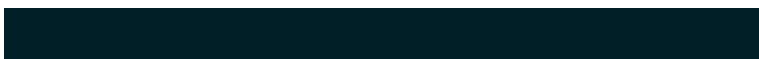
8.2655, 0.1618, 0.1025



12.3518, 0.2983, 0.3245



19.8942, 0.2077, 0.2677



1.1219, 0.2114, 0.2810

Inverse Universe

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



15.9151, 0.3760, 0.1845



25.7508, 0.3767, 0.1849



32.1102, 0.4894, 0.4496



11.3659, 0.3166, 0.3104



9.8113, 0.3750, 0.1839



0.5158, 0.3626, 0.1771

Previews

White Background



This preview shows how the Yxy color 32.0937, 0.2074, 0.2667 looks on a white background.

Color Contrast Check

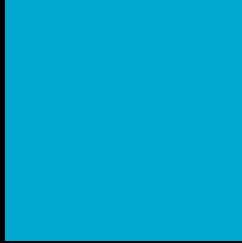
Large Text (above 18pt) WCAG AA × Fail

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 32.0937, 0.2074, 0.2667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

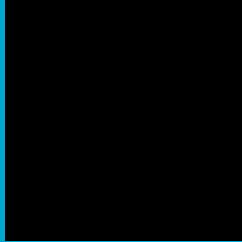
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.0937, 0.2074, 0.2667

Background



This preview shows how black text looks on a background with the Yxy color 32.0937, 0.2074, 0.2667.



This preview shows how white text looks on a background with the Yxy color 32.0937, 0.2074, 0.2667.

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

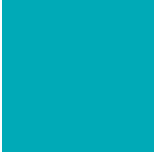
32.0937, 0.2074, 0.2667

Protanopia

31.7790, 0.2681, 0.2665

Deuteranopia

31.9373, 0.2514, 0.2456



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.0937, 0.2074, 0.2667



Protanomaly

30.3648, 0.2307, 0.2647



Deuteranomaly

30.6958, 0.2230, 0.2498



Tritanomaly

32.1375, 0.2145, 0.2922

Monochromacy



Original Color

32.0937, 0.2074, 0.2667



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.0966, 0.2445, 0.3005

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0937, 0.2074, 0.2667 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, 206)` looks like.

```
.text, #text, p{  
  color:rgb(0, 167, 206)  
}
```

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, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 206) }
```

Border

The CSS property to change the border of an element to Yxy 32.0937, 0.2074, 0.2667 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, 206) }
```

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

```
.border{ border-color:rgb(0, 167, 206) }
```

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, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 206);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
206) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0937, 0.2074, 0.2667 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, 206) }
```

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

```
.background{ background-color: rgb(0, 167,  
206) }
```

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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