

Converting Colors

$Y_{xy}(32.8598, 0.2093, 0.2735)$

Have a look what the booklet for
Yxy(32.8598, 0.2093, 0.2735)
contains.

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Color

Yxy(32.7356, 0.2092, 0.2729)

Conversions

Conversions Part 1

Format	Color
Hex	01A9CC
RGB	1, 169, 204
RGB Percent	0%, 66%, 80%
CMY	0.9968, 0.3373, 0.2000
CMYK	1.00, 0.17, 0.00, 0.20
HSL	190°, 99%, 40%
HSV	190°, 100%, 80%
XYZ	25.0945, 32.7356, 62.1245
YIQ	122.7580, -111.3630, -24.7310

Conversions

Conversions Part 2

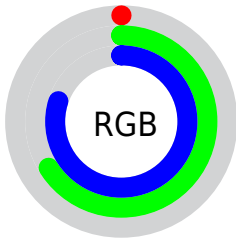
Format	Color
RYB	1, 93, 204
Decimal	109004
CIELab	63.95, -23.83, -28.04
CIELCh	64, 36.803, 229.639
Yxy	32.7356, 0.2092, 0.2729
Android (android.graphics.Color)	4278299084 (0xFF01A9CC)
YUV	122.7580, 40.0523, -106.7818
Hunter-Lab	57.2150, -21.8363, -24.3270

Details

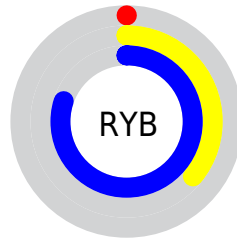
The Yxy color **32.7356, 0.2092, 0.2729** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **14.0913, 0.6224, 0.3435**, and the grayscale version is **19.5955, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.3561, 0.2305, 0.2910**, and **14.9246, 0.2049, 0.2578** is the 20% darker color. If you saturate the color by 10%, you get **32.6791, 0.2091, 0.2727**, and if you desaturate by 10%, it is **34.2189, 0.2125, 0.2790**.

Distribution



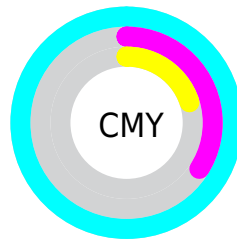
- Red (0%)
- Green (66%)
- Blue (80%)



- Red (0%)
- Yellow (36%)
- Blue (80%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (34%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.7356, 0.2092, 0.2729 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 32.7356, 0.2092, 0.2729 by changing the saturation by 10% instead.

32.7356, 0.2092,
0.2729

32.7356, 0.2092,
0.2729

314.4566, 0.2614,
0.3037

21.9240, 0.1963,
0.2645

63.9625, 0.2281,
0.2847

13.8010, 0.1801,
0.2533

85.1466, 0.2352,
0.2889

7.9824, 0.1590,
0.2378

110.5569, 0.2413,
0.2924

4.0837, 0.1310,
0.2154

140.5780, 0.2464,
0.2954

1.7205, 0.0934,
0.1813

175.5941, 0.2509,
0.2979

0.4369, 0.0000,
0.1165

215.9896, 0.2548,

0.0000, 0.0000,

0.3001

0.0000

262.1490, 0.2583,
0.3020

■ 32.7356, 0.2092,
0.2729

■ 32.7356, 0.2092,
0.2729

■ 32.6791, 0.2091,
0.2727

■ 34.2189, 0.2125,
0.2790

■ 35.9024, 0.2174,
0.2852

■ 37.8397, 0.2242,
0.2914

■ 40.0605, 0.2329,
0.2976

■ 42.5897, 0.2434,
0.3036

■ 45.4495, 0.2555,
0.3094

■ 48.6597, 0.2688,
0.3149

■ 52.2385, 0.2831,
0.3200

■ 56.2027, 0.2980,
0.3248

Harmonies

Analogous

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



32.7356, 0.2230, 0.3225



32.7356, 0.2092, 0.2729



32.7356, 0.2193, 0.2446

Triad

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



32.7356, 0.2092, 0.2729



32.7356, 0.3627, 0.2828



32.7356, 0.3690, 0.4332

Complementary

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



32.7356, 0.2092, 0.2729



14.0913, 0.6224, 0.3435

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.



32.7356, 0.4119, 0.4094



32.7356, 0.2092, 0.2729



32.7356, 0.4103, 0.3238

Square

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



32.7356, 0.2092, 0.2729



32.7356, 0.3036, 0.2526



32.7356, 0.4283, 0.3687



32.7356, 0.3132, 0.4250

Rectangle

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



32.7356, 0.2092, 0.2729



32.7356, 0.2388, 0.2383



32.7356, 0.4283, 0.3687



32.7356, 0.3855, 0.4281

Sweetspot

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



32.7367, 0.2092, 0.2729



80.1394, 0.2677, 0.3145



43.3123, 0.2960, 0.5854



16.6559, 0.2619, 0.3121



0.0000, 0.0000, 0.0000



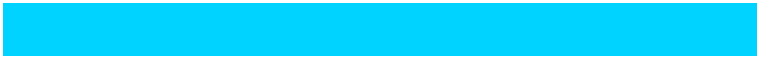
21.4041, 0.3127, 0.3290

Same Dimension

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



32.7367, 0.2092, 0.2729



53.8362, 0.2089, 0.2719



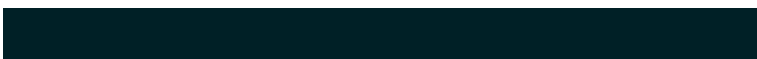
8.5657, 0.1633, 0.1075



12.3852, 0.2983, 0.3249



20.6883, 0.2093, 0.2735



1.1563, 0.2126, 0.2855

Inverse Universe

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



15.7198, 0.3701, 0.1814



25.9659, 0.3710, 0.1818



30.5255, 0.4933, 0.4462



11.3693, 0.3164, 0.3100



9.8915, 0.3695, 0.1809



0.5193, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 32.7356, 0.2092, 0.2729 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 32.7356, 0.2092, 0.2729 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

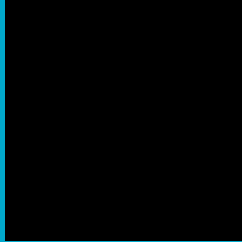
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.7356, 0.2092, 0.2729

Background



This preview shows how black text looks on a background with the Yxy color 32.7356, 0.2092, 0.2729.

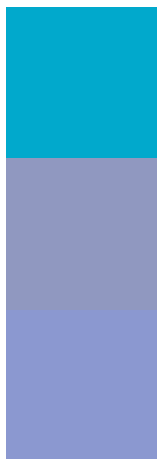


This preview shows how white text looks on a background with the Yxy color 32.7356, 0.2092, 0.2729.

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

32.7420, 0.2092, 0.2729

Protanopia

32.1915, 0.2714, 0.2709

Deuteranopia

32.4995, 0.2559, 0.2501



Tritanopia

32.6286, 0.2181, 0.3052

Trichromacy



Original Color

32.7420, 0.2092, 0.2729



Protanomaly

30.7146, 0.2332, 0.2693



Deuteranomaly

31.0826, 0.2258, 0.2542



Tritanomaly

32.5552, 0.2146, 0.2924

Monochromacy



Original Color

32.7420, 0.2092, 0.2729



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.6854, 0.2466, 0.3062

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7356, 0.2092, 0.2729 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, 169, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 169, 204)  
}
```

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, 169, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 169, 204) }
```

Border

The CSS property to change the border of an element to Yxy 32.7356, 0.2092, 0.2729 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, 169, 204) }
```

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

```
.border{ border-color:rgb(1, 169, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 169, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 169, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 169, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 169,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7356, 0.2092, 0.2729 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 169, 204) }
```

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

```
.background{ background-color: rgb(1, 169,  
204) }
```

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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