

Converting Colors

$Y_{xy}(32.3270, 0.2064, 0.2628)$

Have a look what the booklet for
Yxy(32.3270, 0.2064, 0.2628)
contains.

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Color

Yxy(32.2473, 0.2064, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	02A7D1
RGB	2, 167, 209
RGB Percent	1%, 65%, 82%
CMY	0.9931, 0.3451, 0.1804
CMYK	0.99, 0.20, 0.00, 0.18
HSL	192°, 98%, 41%
HSV	192°, 99%, 82%
XYZ	25.3459, 32.2473, 65.2068
YIQ	122.4530, -111.8220, -21.9180

Conversions

Conversions Part 2

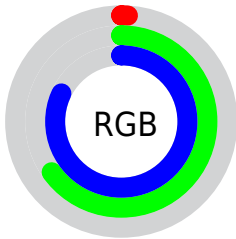
Format	Color
RYB	2, 94, 209
Decimal	174033
CIELab	63.55, -21.04, -31.43
CIELCh	64, 37.825, 236.197
Yxy	32.2473, 0.2064, 0.2626
Android (android.graphics.Color)	4278364113 (0xFF02A7D1)
YUV	122.4530, 42.6677, -105.6373
Hunter-Lab	56.7867, -19.7058, -28.3306

Details

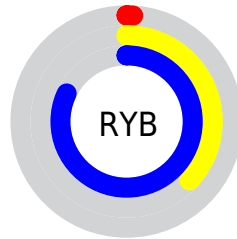
The Yxy color **32.2473, 0.2064, 0.2626** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.3424, 0.6164, 0.3478**, and the grayscale version is **19.4759, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3461, 0.2303, 0.2885**, and **14.5946, 0.2017, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **32.1067, 0.2061, 0.2620**, and if you desaturate by 10%, it is **33.9928, 0.2101, 0.2699**.

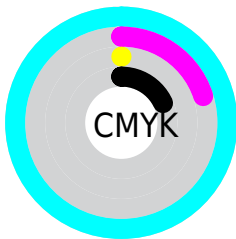
Distribution



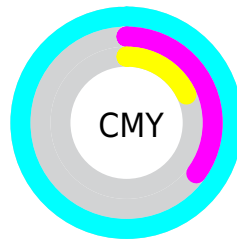
- Red (1%)
- Green (65%)
- Blue (82%)



- Red (1%)
- Yellow (37%)
- Blue (82%)



- Cyan (99%)
- Magenta (20%)
- Yellow (0%)
- Black (18%)



- Cyan (99%)
- Magenta (35%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2473, 0.2064, 0.2626 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 32.2473, 0.2064, 0.2626 by changing the saturation by 10% instead.

■ 32.2473, 0.2064,
0.2626

■ 32.2473, 0.2064,
0.2626

■ 312.2442, 0.2599,
0.2985

■ 21.5505, 0.1933,
0.2530

■ 63.1986, 0.2258,
0.2762

■ 13.5270, 0.1767,
0.2403

■ 84.2218, 0.2331,
0.2811

■ 7.7924, 0.1553,
0.2230

■ 109.4559, 0.2393,
0.2853

■ 3.9624, 0.1271,
0.1986

■ 139.2854, 0.2446,
0.2887

■ 1.6526, 0.0898,
0.1624

■ 174.0946, 0.2492,
0.2917

■ 0.3926, 0.0000,
0.0945

214.2678, 0.2532,

■ 0.0000, 0.0000,

0.2943

0.0000

260.1896, 0.2568,
0.2965

■ 32.2473, 0.2064,
0.2626

■ 32.2473, 0.2064,
0.2626

■ 32.1067, 0.2061,
0.2620

■ 33.9928, 0.2101,
0.2699

■ 35.9693, 0.2155,
0.2773

■ 38.2296, 0.2228,
0.2847

■ 40.8053, 0.2320,
0.2921

■ 43.7228, 0.2430,
0.2992

■ 47.0057, 0.2554,
0.3061

■ 50.6752, 0.2691,
0.3126

■ 54.7506, 0.2836,
0.3187

■ 59.2499, 0.2987,
0.3243

Harmonies

Analogous

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



32.2473, 0.2151, 0.3094



32.2473, 0.2064, 0.2626



32.2473, 0.2220, 0.2388

Triad

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



32.2473, 0.2064, 0.2626



32.2473, 0.3769, 0.2899



32.2473, 0.3585, 0.4382

Complementary

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



32.2473, 0.2064, 0.2626



15.3424, 0.6164, 0.3478

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.



32.2473, 0.4071, 0.4191



32.2473, 0.2064, 0.2626



32.2473, 0.4206, 0.3334

Square

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



32.2473, 0.2064, 0.2626



32.2473, 0.3165, 0.2559



32.2473, 0.4313, 0.3795



32.2473, 0.3002, 0.4214

Rectangle

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



32.2473, 0.2064, 0.2626



32.2473, 0.2453, 0.2356



32.2473, 0.4313, 0.3795



32.2473, 0.3766, 0.4352

Sweetspot

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



32.2484, 0.2064, 0.2626



78.7669, 0.2674, 0.3119



45.7862, 0.2946, 0.5798



16.3245, 0.2615, 0.3091



0.0000, 0.0000, 0.0000



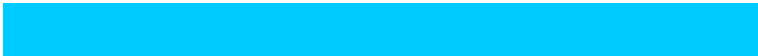
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2484, 0.2064, 0.2626



50.0799, 0.2059, 0.2612



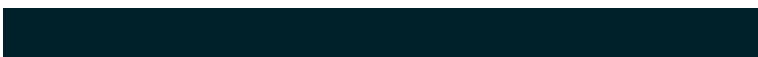
8.2734, 0.1613, 0.0999



12.9831, 0.2983, 0.3242



19.9402, 0.2064, 0.2631



1.2205, 0.2101, 0.2765

Inverse Universe

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



16.3825, 0.3798, 0.1869



25.5867, 0.3813, 0.1874



34.3715, 0.4841, 0.4533



11.9663, 0.3168, 0.3107



10.0842, 0.3795, 0.1864



0.5745, 0.3667, 0.1794

Previews

White Background



This preview shows how the Yxy color 32.2473, 0.2064, 0.2626 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 32.2473, 0.2064, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

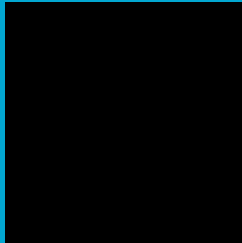
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2473, 0.2064, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 32.2473, 0.2064, 0.2626.



This preview shows how white text looks on a background with the Yxy color 32.2473, 0.2064, 0.2626.

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

32.2538, 0.2064, 0.2626

Protanopia

31.8272, 0.2650, 0.2625

Deuteranopia

31.9239, 0.2480, 0.2417

Trichromacy



Original Color

32.2538, 0.2064, 0.2626

Protanomaly

30.5046, 0.2291, 0.2606

Deuteranomaly

30.7987, 0.2210, 0.2459

Monochromacy



Original Color

32.2538, 0.2064, 0.2626

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

22.1298, 0.2438, 0.2987

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.2473, 0.2064, 0.2626 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, 167, 209)` looks like.

```
.text, #text, p{  
    color:rgb(2, 167, 209)  
}
```

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, 167, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 167, 209) }
```

Border

The CSS property to change the border of an element to Yxy 32.2473, 0.2064, 0.2626 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, 167, 209) }
```

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

```
.border{ border-color:rgb(2, 167, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 167, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 167, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 167, 209);  
box-shadow:4px 4px 4px 4px rgb(2, 167,  
209) }
```

Background

The CSS property to change the background color of an element to Yxy 32.2473, 0.2064, 0.2626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 167, 209) }
```

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

```
.background{ background-color: rgb(2, 167,  
209) }
```

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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