

Converting Colors

$Y_{xy}(29.7115, 0.1789, 0.2577)$

Have a look what the booklet for
Yxy(29.7115, 0.1789, 0.2577)
contains.

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Color

Yxy(32.2409, 0.2063, 0.2626)

Conversions

Conversions Part 1

Format	Color
Hex	00A7D1
RGB	0, 167, 209
RGB Percent	0%, 65%, 82%
CMY	0.9990, 0.3451, 0.1804
CMYK	1.00, 0.20, 0.00, 0.18
HSL	192°, 100%, 41%
HSV	192°, 100%, 82%
XYZ	25.3286, 32.2409, 65.2062
YIQ	121.8550, -113.0140, -22.3420

Conversions

Conversions Part 2

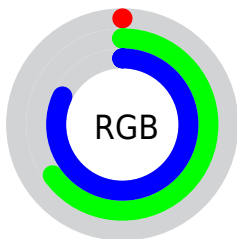
Format	Color
RYB	0, 93, 209
Decimal	42961
CIELab	63.54, -21.09, -31.44
CIElCh	64, 37.861, 236.140
Yxy	32.2409, 0.2063, 0.2626
Android (android.graphics.Color)	4278233041 (0xFF00A7D1)
YUV	121.8550, 42.9625, -106.8668
Hunter-Lab	56.7811, -19.7424, -28.3406

Details

The Yxy color **32.2409, 0.2063, 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 **15.2283, 0.6184, 0.3471**, and the grayscale version is **19.3222, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.2873, 0.2299, 0.2884**, and **14.5946, 0.2017, 0.2460** is the 20% darker color. If you saturate the color by 10%, you get **32.2224, 0.2063, 0.2625**, and if you desaturate by 10%, it is **33.9672, 0.2099, 0.2699**.

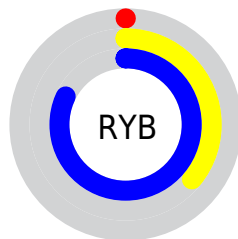
Distribution



Red (0%)

Green (65%)

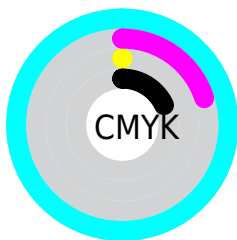
Blue (82%)



Red (0%)

Yellow (36%)

Blue (82%)

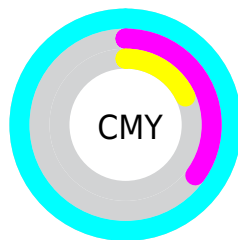


Cyan (100%)

Magenta (20%)

Yellow (0%)

Black (18%)



Cyan (100%)

Magenta (35%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.2409, 0.2063, 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 32.2409, 0.2063, 0.2626 by changing the saturation by 10% instead.

■ 32.2409, 0.2063,
0.2626

■ 32.2409, 0.2063,
0.2626

■ 312.2152, 0.2599,
0.2985

■ 21.5456, 0.1932,
0.2530

■ 63.1886, 0.2257,
0.2762

■ 13.5234, 0.1766,
0.2403

■ 84.2097, 0.2330,
0.2812

■ 7.7899, 0.1552,
0.2230

■ 109.4415, 0.2392,
0.2853

■ 3.9608, 0.1270,
0.1986

■ 139.2684, 0.2445,
0.2888

■ 1.6517, 0.0896,
0.1624

■ 174.0749, 0.2491,
0.2917

■ 0.3921, 0.0000,
0.0944

214.2452, 0.2532,

■ 0.0000, 0.0000,

0.2943

0.0000

260.1638, 0.2567,
0.2965

■ 32.2409, 0.2063,
0.2626

■ 32.2409, 0.2063,
0.2626

■ 32.2224, 0.2063,
0.2625

■ 33.9672, 0.2099,
0.2699

■ 35.9156, 0.2151,
0.2772

■ 38.1446, 0.2223,
0.2845

■ 40.6860, 0.2314,
0.2918

■ 43.5668, 0.2422,
0.2990

■ 46.8106, 0.2545,
0.3058

■ 50.4387, 0.2681,
0.3123

■ 54.4705, 0.2825,
0.3184

■ 58.9242, 0.2976,
0.3240

Harmonies

Analogous

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



32.2409, 0.2151, 0.3095



32.2409, 0.2063, 0.2626



32.2409, 0.2219, 0.2387

Triad

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



32.2409, 0.2063, 0.2626



32.2409, 0.3768, 0.2898



32.2409, 0.3587, 0.4383

Complementary

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



32.2409, 0.2063, 0.2626



15.2283, 0.6184, 0.3471

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.



32.2409, 0.4073, 0.4191



32.2409, 0.2063, 0.2626



32.2409, 0.4207, 0.3333

Square

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



32.2409, 0.2063, 0.2626



32.2409, 0.3163, 0.2558



32.2409, 0.4314, 0.3794



32.2409, 0.3003, 0.4216

Rectangle

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



32.2409, 0.2063, 0.2626



32.2409, 0.2451, 0.2355



32.2409, 0.4314, 0.3794



32.2409, 0.3767, 0.4352

Sweetspot

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



32.2420, 0.2063, 0.2626



78.8349, 0.2674, 0.3120



45.7674, 0.2947, 0.5809



16.3409, 0.2615, 0.3093



0.0000, 0.0000, 0.0000



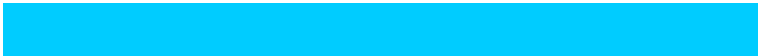
21.4041, 0.3127, 0.3290

Same Dimension

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



32.2420, 0.2063, 0.2626



50.2630, 0.2060, 0.2617



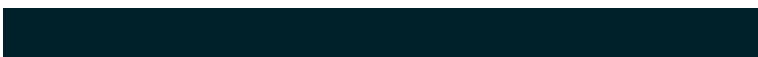
8.1455, 0.1608, 0.0986



12.9862, 0.2983, 0.3242



20.0109, 0.2066, 0.2636



1.2239, 0.2103, 0.2769

Inverse Universe

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



16.3500, 0.3799, 0.1867



25.6052, 0.3808, 0.1871



34.2273, 0.4849, 0.4531



11.9666, 0.3168, 0.3106



10.0914, 0.3790, 0.1861



0.5748, 0.3663, 0.1792

Previews

White Background



This preview shows how the Yxy color 32.2409, 0.2063, 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 32.2409, 0.2063, 0.2626 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

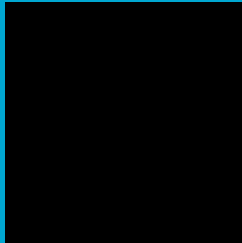
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.2409, 0.2063, 0.2626

Background



This preview shows how black text looks on a background with the Yxy color 32.2409, 0.2063, 0.2626.



This preview shows how white text looks on a background with the Yxy color 32.2409, 0.2063, 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

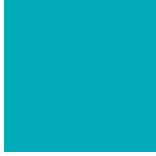
32.2409, 0.2063, 0.2626

Protanopia

31.8272, 0.2650, 0.2625

Deuteranopia

31.9239, 0.2480, 0.2417



Tritanopia

32.1683, 0.2185, 0.3067

Trichromacy



Original Color

32.2409, 0.2063, 0.2626



Protanomaly

30.5046, 0.2291, 0.2606



Deuteranomaly

30.7987, 0.2210, 0.2459



Tritanomaly

32.1817, 0.2141, 0.2907

Monochromacy



Original Color

32.2409, 0.2063, 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 32.2409, 0.2063, 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(0, 167, 209)` looks like.

```
.text, #text, p{  
    color:rgb(0, 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(0, 167, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 209) }
```

Border

The CSS property to change the border of an element to Yxy 32.2409, 0.2063, 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(0, 167, 209) }
```

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

```
.border{ border-color:rgb(0, 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(0, 167, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 209);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 32.2409, 0.2063, 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(0, 167, 209) }
```

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

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