

Converting Colors

$Yxy(26.7677, 0.1645, 0.2382)$

Have a look what the booklet for
Yxy(26.7677, 0.1645, 0.2382)
contains.

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Color

Yxy(29.9457, 0.2015, 0.2455)

Conversions

Conversions Part 1

Format	Color
Hex	00A0D5
RGB	0, 160, 213
RGB Percent	0%, 63%, 84%
CMY	1.0000, 0.3725, 0.1646
CMYK	1.00, 0.25, 0.00, 0.16
HSL	195°, 100%, 42%
HSV	195°, 100%, 84%
XYZ	24.5786, 29.9457, 67.4541
YIQ	118.2020, -112.3730, -17.4370

Conversions

Conversions Part 2

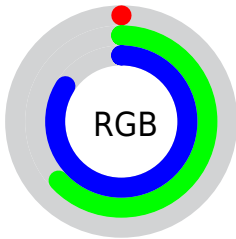
Format	Color
RYB	0, 91, 213
Decimal	41173
CIELab	61.61, -15.97, -36.69
CIELCh	62, 40.013, 246.484
Yxy	29.9457, 0.2015, 0.2455
Android (android.graphics.Color)	4278231253 (0xFF00A0D5)
YUV	118.2020, 46.7354, -103.6632
Hunter-Lab	54.7227, -15.5915, -34.7781

Details

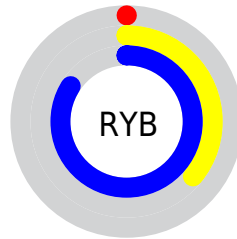
The Yxy color **29.9457, 0.2015, 0.2455** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.6985, 0.6094, 0.3543**, and the grayscale version is **18.0631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.6457, 0.2279, 0.2794**, and **13.4059, 0.1961, 0.2258** is the 20% darker color. If you saturate the color by 10%, you get **29.9500, 0.2015, 0.2455**, and if you desaturate by 10%, it is **31.9907, 0.2057, 0.2547**.

Distribution



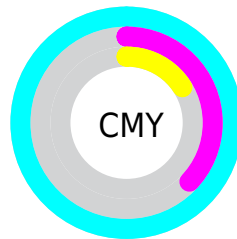
- Red (0%)
- Green (63%)
- Blue (84%)



- Red (0%)
- Yellow (36%)
- Blue (84%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (37%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9457, 0.2015, 0.2455 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 29.9457, 0.2015, 0.2455 by changing the saturation by 10% instead.


 29.9457, 0.2015,
0.2455


 29.9457, 0.2015,
0.2455


301.6513, 0.2578,
0.2901


 19.7974, 0.1877,
0.2338


 59.5763, 0.2219,
0.2622


 12.2478, 0.1702,
0.2186


 79.8274, 0.2296,
0.2683

 6.9127, 0.1478,
0.1982


 104.2148, 0.2361,
0.2735

 3.4076, 0.1185,
0.1702

 133.1230, 0.2417,
0.2778

 1.3480, 0.0805,
0.1305

 166.9363, 0.2466,
0.2815

 0.1779, 0.0000,
0.0416

206.0392, 0.2508,

 0.0000, 0.0000,

0.2848

0.0000

250.8161, 0.2545,
0.2876

■ 29.9457, 0.2015,
0.2455

■ 29.9457, 0.2015,
0.2455

■ 29.9500, 0.2015,
0.2455

■ 31.9907, 0.2057,
0.2547

■ 34.2903, 0.2116,
0.2639

■ 36.9096, 0.2194,
0.2733

■ 39.8826, 0.2291,
0.2825

■ 43.2381, 0.2405,
0.2914

■ 47.0011, 0.2534,
0.3000

■ 51.1947, 0.2674,
0.3082

■ 55.8395, 0.2822,
0.3157

■ 60.9549, 0.2974,
0.3227

Harmonies

Analogous

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



29.9457, 0.2016, 0.2873



29.9457, 0.2015, 0.2455



29.9457, 0.2266, 0.2291

Triad

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



29.9457, 0.2015, 0.2455



29.9457, 0.4018, 0.3018



29.9457, 0.3402, 0.4466

Complementary

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



29.9457, 0.2015, 0.2455



16.6985, 0.6094, 0.3543

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.



29.9457, 0.3984, 0.4366



29.9457, 0.2015, 0.2455



29.9457, 0.4382, 0.3500

Square

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



29.9457, 0.2015, 0.2455



29.9457, 0.3395, 0.2614



29.9457, 0.4356, 0.3985



29.9457, 0.2778, 0.4142

Rectangle

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



29.9457, 0.2015, 0.2455



29.9457, 0.2566, 0.2310



29.9457, 0.4356, 0.3985



29.9457, 0.3609, 0.4476

Sweetspot

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



29.9500, 0.2015, 0.2455



76.7121, 0.2670, 0.3079



47.8308, 0.2932, 0.5753



15.8296, 0.2609, 0.3045



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.



29.9500, 0.2015, 0.2455



44.7146, 0.2013, 0.2446



7.7128, 0.1586, 0.0908



13.5600, 0.2982, 0.3231



18.4584, 0.2019, 0.2468



1.2405, 0.2063, 0.2627

Inverse Universe

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



16.6888, 0.3967, 0.1959



25.0451, 0.3976, 0.1964



38.0017, 0.4765, 0.4599



12.5774, 0.3175, 0.3117



10.2082, 0.3954, 0.1952



0.6285, 0.3798, 0.1866

Previews

White Background



This preview shows how the Yxy color 29.9457, 0.2015, 0.2455 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.9457, 0.2015, 0.2455 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

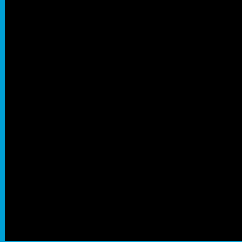
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9457, 0.2015, 0.2455

Background



This preview shows how black text looks on a background with the Yxy color 29.9457, 0.2015, 0.2455.

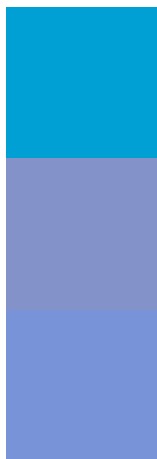


This preview shows how white text looks on a background with the Yxy color 29.9457, 0.2015, 0.2455.

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

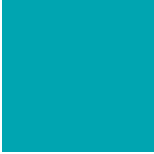
29.9457, 0.2015, 0.2455

Protanopia

29.7276, 0.2534, 0.2473

Deuteranopia

29.8184, 0.2361, 0.2303



Tritanopia

30.0846, 0.2188, 0.3078

Trichromacy



Original Color

29.9457, 0.2015, 0.2455



Protanomaly

28.4743, 0.2213, 0.2437



Deuteranomaly

28.8993, 0.2138, 0.2333



Tritanomaly

29.9121, 0.2120, 0.2832

Monochromacy



Original Color

29.9457, 0.2015, 0.2455



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.5708, 0.2406, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9457, 0.2015, 0.2455 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, 160, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 160, 213)  
}
```

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, 160, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 160, 213) }
```

Border

The CSS property to change the border of an element to Yxy 29.9457, 0.2015, 0.2455 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, 160, 213) }
```

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

```
.border{ border-color:rgb(0, 160, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 160, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 160, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 160, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 160,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9457, 0.2015, 0.2455 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 160, 213) }
```

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

```
.background{ background-color: rgb(0, 160,  
213) }
```

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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