

Converting Colors

$Yxy(27.7213, 0.2023, 0.2484)$

Have a look what the booklet for
Yxy(27.7213, 0.2023, 0.2484)
contains.

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Color

Yxy(27.8023, 0.2025, 0.2488)

Conversions

Conversions Part 1

Format	Color
Hex	019BCC
RGB	1, 155, 204
RGB Percent	0%, 61%, 80%
CMY	0.9973, 0.3922, 0.1999
CMYK	1.00, 0.24, 0.00, 0.20
HSL	194°, 99%, 40%
HSV	194°, 100%, 80%
XYZ	22.6285, 27.8023, 61.3148
YIQ	114.5400, -107.5130, -17.4090

Conversions

Conversions Part 2

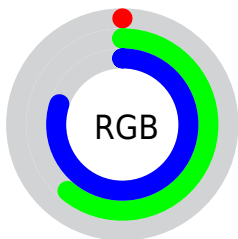
Format	Color
R_{YB}	1, 89, 204
Decimal	105420
CIE _{Lab}	59.71, -16.44, -34.62
CIE _{LCh}	60, 38.330, 244.595
Yxy	27.8023, 0.2025, 0.2488
Android (android.graphics.Color)	4278295500 (0xFF019BCC)
YUV	114.5400, 44.1038, -99.5746
Hunter-Lab	52.7279, -15.6695, -32.0361

Details

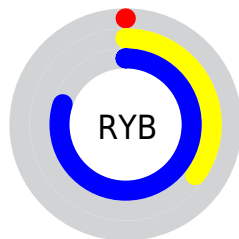
The Yxy color **27.8023, 0.2025, 0.2488** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.0992, 0.6098, 0.3536**, and the grayscale version is **16.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.5303, 0.2254, 0.2715**, and **12.1026, 0.1965, 0.2275** is the 20% darker color. If you saturate the color by 10%, you get **27.7444, 0.2024, 0.2485**, and if you desaturate by 10%, it is **29.6302, 0.2067, 0.2576**.

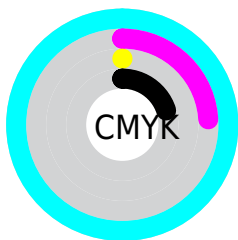
Distribution



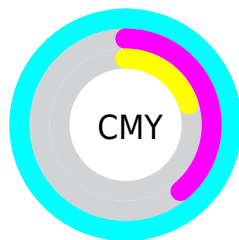
- Red (0%)
- Green (61%)
- Blue (80%)



- Red (0%)
- Yellow (35%)
- Blue (80%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (20%)



- Cyan (100%)
- Magenta (39%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.8023, 0.2025, 0.2488 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 27.8023, 0.2025, 0.2488 by changing the saturation by 10% instead.

27.8023, 0.2025,
0.2488

27.8023, 0.2025,
0.2488

291.5210, 0.2591,
0.2923

18.1767, 0.1883,
0.2371

56.1687, 0.2232,
0.2653

11.0769, 0.1703,
0.2217

75.6782, 0.2309,
0.2713

6.1186, 0.1470,
0.2009

99.2511, 0.2375,
0.2763

2.9173, 0.1162,
0.1715

127.2719, 0.2431,
0.2805

1.0887, 0.0738,
0.1295

160.1249, 0.2479,
0.2841

0.0000, 0.0000,
0.0000

198.1944, 0.2521,

0.2872

241.8650, 0.2558,
0.2899

■ 27.8023, 0.2025,
0.2488

■ 27.8023, 0.2025,
0.2488

■ 27.7444, 0.2024,
0.2485

■ 29.6302, 0.2067,
0.2576

■ 31.6899, 0.2125,
0.2666

■ 34.0357, 0.2203,
0.2755

■ 36.6979, 0.2300,
0.2844

■ 39.7020, 0.2413,
0.2930

■ 43.0705, 0.2542,
0.3013

■ 46.8239, 0.2681,
0.3091

■ 50.9806, 0.2828,
0.3164

■ 55.5581, 0.2979,
0.3231

Harmonies

Analogous

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



27.8023, 0.2043, 0.2916



27.8023, 0.2025, 0.2488



27.8023, 0.2258, 0.2310

Triad

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



27.8023, 0.2025, 0.2488



27.8023, 0.3968, 0.2995



27.8023, 0.3438, 0.4449

Complementary

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



27.8023, 0.2025, 0.2488



15.0992, 0.6098, 0.3536

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.



27.8023, 0.4001, 0.4331



27.8023, 0.2025, 0.2488



27.8023, 0.4348, 0.3468

Square

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



27.8023, 0.2025, 0.2488



27.8023, 0.3349, 0.2604



27.8023, 0.4348, 0.3947



27.8023, 0.2822, 0.4156

Rectangle

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



27.8023, 0.2025, 0.2488



27.8023, 0.2544, 0.2319



27.8023, 0.4348, 0.3947



27.8023, 0.3640, 0.4451

Sweetspot

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



27.8032, 0.2025, 0.2488



77.0533, 0.2670, 0.3086



43.4158, 0.2930, 0.5744



15.9117, 0.2610, 0.3053



0.0000, 0.0000, 0.0000



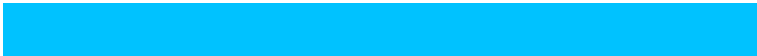
21.4041, 0.3127, 0.3290

Same Dimension

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



27.8032, 0.2025, 0.2488



45.5839, 0.2021, 0.2474



7.0884, 0.1589, 0.0918



12.2507, 0.2983, 0.3233



17.6092, 0.2027, 0.2498



1.0216, 0.2075, 0.2670

Inverse Universe

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



15.2215, 0.3934, 0.1942



25.1329, 0.3948, 0.1949



34.5906, 0.4760, 0.4601



11.3557, 0.3174, 0.3116



9.5806, 0.3925, 0.1936



0.5057, 0.3756, 0.1843

Previews

White Background



This preview shows how the Yxy color 27.8023, 0.2025, 0.2488 looks on a white background.

Color Contrast Check

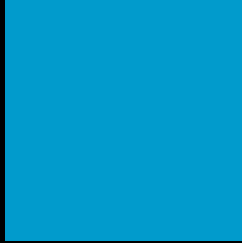
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.8023, 0.2025, 0.2488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

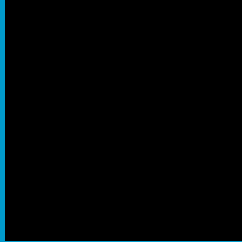
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.8023, 0.2025, 0.2488

Background



This preview shows how black text looks on a background with the Yxy color 27.8023, 0.2025, 0.2488.

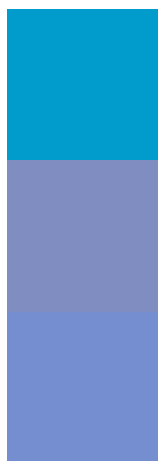


This preview shows how white text looks on a background with the Yxy color 27.8023, 0.2025, 0.2488.

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

27.8088, 0.2025, 0.2489

Protanopia

27.4892, 0.2554, 0.2503

Deuteranopia

27.6329, 0.2380, 0.2326



Tritanopia

27.7365, 0.2186, 0.3071

Trichromacy



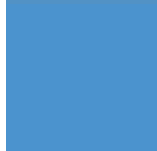
Original Color

27.8088, 0.2025, 0.2489



Protanomaly

26.3828, 0.2230, 0.2468



Deuteranomaly

26.8195, 0.2155, 0.2361



Tritanomaly

27.8726, 0.2126, 0.2852

Monochromacy



Original Color

27.8088, 0.2025, 0.2489



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.2236, 0.2420, 0.2932

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8023, 0.2025, 0.2488 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, 155, 204)` looks like.

```
.text, #text, p{  
    color:rgb(1, 155, 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, 155, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 155, 204) }
```

Border

The CSS property to change the border of an element to Yxy 27.8023, 0.2025, 0.2488 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, 155, 204) }
```

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

```
.border{ border-color:rgb(1, 155, 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, 155, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 155, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 155, 204);  
box-shadow:4px 4px 4px 4px rgb(1, 155,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8023, 0.2025, 0.2488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 155, 204) }
```

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

```
.background{ background-color: rgb(1, 155,  
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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