

Converting Colors

$Yxy(25.2393, 0.1617, 0.2386)$

Have a look what the booklet for
Yxy(25.2393, 0.1617, 0.2386)
contains.

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Color

$\text{Yxy}(28.3310, 0.2015, 0.2452)$

Conversions

Conversions Part 1

Format	Color
Hex	019CD0
RGB	1, 156, 208
RGB Percent	0%, 61%, 82%
CMY	0.9973, 0.3883, 0.1842
CMYK	1.00, 0.25, 0.00, 0.18
HSL	195°, 99%, 41%
HSV	195°, 100%, 82%
XYZ	23.2818, 28.3310, 63.9296
YIQ	115.5830, -109.0720, -16.6880

Conversions

Conversions Part 2

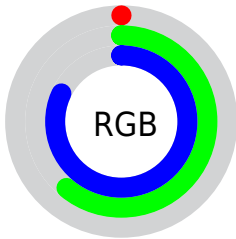
Format	Color
R _Y B	1, 90, 208
Decimal	105680
CIE Lab	60.19, -15.55, -36.12
CIE LCh	60, 39.320, 246.712
Yxy	28.3310, 0.2015, 0.2452
Android (android.graphics.Color)	4278295760 (0xFF019CD0)
YUV	115.5830, 45.5616, -100.4893
Hunter-Lab	53.2269, -15.0699, -33.9531

Details

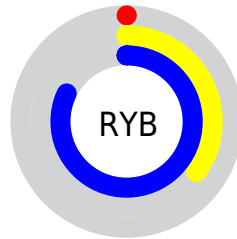
The Yxy color **28.3310, 0.2015, 0.2452** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.9369, 0.6079, 0.3551**, and the grayscale version is **17.1838, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.0799, 0.2261, 0.2729**, and **12.4031, 0.1958, 0.2248** is the 20% darker color. If you saturate the color by 10%, you get **28.2685, 0.2014, 0.2449**, and if you desaturate by 10%, it is **30.2824, 0.2058, 0.2544**.

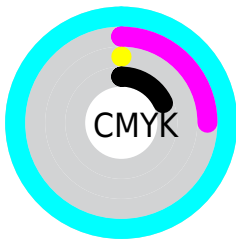
Distribution



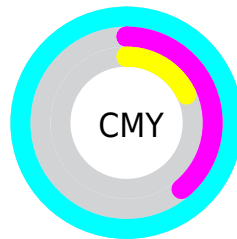
- Red (0%)
- Green (61%)
- Blue (82%)



- Red (0%)
- Yellow (35%)
- Blue (82%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (18%)



- Cyan (100%)
- Magenta (39%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.3310, 0.2015, 0.2452 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 28.3310, 0.2015, 0.2452 by changing the saturation by 10% instead.

■ 28.3310, 0.2015,
0.2452

■ 28.3310, 0.2015,
0.2452

■ 294.0452, 0.2584,
0.2903

■ 18.5753, 0.1874,
0.2332

■ 57.0125, 0.2222,
0.2622

■ 11.3638, 0.1695,
0.2176

■ 76.7070, 0.2300,
0.2684

■ 6.3121, 0.1464,
0.1965

■ 100.4834, 0.2366,
0.2736

■ 3.0358, 0.1160,
0.1672

■ 128.7259, 0.2422,
0.2780

■ 1.1504, 0.0757,
0.1258

■ 161.8189, 0.2471,
0.2817

■ 0.0207, 0.0000,
0.0058

200.1469, 0.2513,

■ 0.0000, 0.0000,

0.2850

0.0000

244.0942, 0.2550,
0.2878

■ 28.3310, 0.2015,
0.2452

■ 28.3310, 0.2015,
0.2452

■ 28.2685, 0.2014,
0.2449

■ 30.2824, 0.2058,
0.2544

■ 32.4824, 0.2117,
0.2638

■ 34.9873, 0.2196,
0.2732

■ 37.8291, 0.2295,
0.2824

■ 41.0346, 0.2410,
0.2915

■ 44.6277, 0.2539,
0.3001

■ 48.6296, 0.2679,
0.3083

■ 53.0601, 0.2827,
0.3159

■ 57.9374, 0.2979,
0.3229

Harmonies

Analogous

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



28.3310, 0.2014, 0.2868



28.3310, 0.2015, 0.2452



28.3310, 0.2269, 0.2289

Triad

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



28.3310, 0.2015, 0.2452



28.3310, 0.4023, 0.3021



28.3310, 0.3398, 0.4467

Complementary

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



28.3310, 0.2015, 0.2452



15.9369, 0.6079, 0.3551

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.



28.3310, 0.3981, 0.4369



28.3310, 0.2015, 0.2452



28.3310, 0.4384, 0.3504

Square

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



28.3310, 0.2015, 0.2452



28.3310, 0.3400, 0.2616



28.3310, 0.4356, 0.3989



28.3310, 0.2773, 0.4139

Rectangle

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



28.3310, 0.2015, 0.2452



28.3310, 0.2570, 0.2310



28.3310, 0.4356, 0.3989



28.3310, 0.3605, 0.4478

Sweetspot

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



28.3320, 0.2015, 0.2452



76.6195, 0.2669, 0.3077



45.3799, 0.2921, 0.5713



15.8074, 0.2609, 0.3043



0.0000, 0.0000, 0.0000



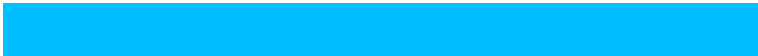
21.4041, 0.3127, 0.3290

Same Dimension

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



28.3320, 0.2015, 0.2452



44.4803, 0.2011, 0.2438



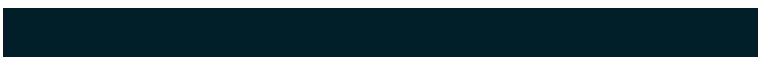
7.0633, 0.1579, 0.0882



12.8836, 0.2983, 0.3230



17.7749, 0.2017, 0.2462



1.1158, 0.2064, 0.2632

Inverse Universe

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



15.8282, 0.3970, 0.1962



25.0215, 0.3984, 0.1968



37.2560, 0.4719, 0.4633



11.9562, 0.3176, 0.3118



9.8657, 0.3960, 0.1955



0.5639, 0.3793, 0.1863

Previews

White Background



This preview shows how the Yxy color 28.3310, 0.2015, 0.2452 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 28.3310, 0.2015, 0.2452 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

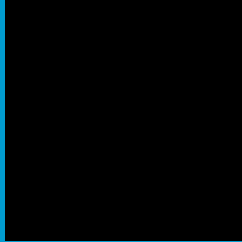
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.3310, 0.2015, 0.2452

Background



This preview shows how black text looks on a background with the Yxy color 28.3310, 0.2015, 0.2452.

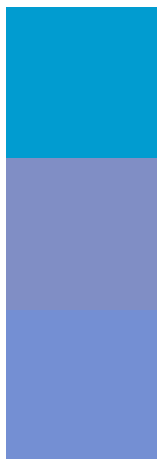


This preview shows how white text looks on a background with the Yxy color 28.3310, 0.2015, 0.2452.

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

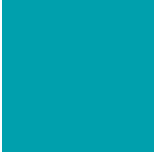
28.3375, 0.2015, 0.2453

Protanopia

27.9664, 0.2528, 0.2468

Deuteranopia

28.0611, 0.2352, 0.2293



Tritanopia

28.1587, 0.2182, 0.3055

Trichromacy



Original Color

28.3375, 0.2015, 0.2453

Protanomaly

26.8783, 0.2213, 0.2433

Deuteranomaly

27.2888, 0.2136, 0.2327

Tritanomaly

28.3414, 0.2117, 0.2823

Monochromacy



Original Color

28.3375, 0.2015, 0.2453

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.5517, 0.2409, 0.2915

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.3310, 0.2015, 0.2452 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, 156, 208)` looks like.

```
.text, #text, p{  
    color:rgb(1, 156, 208)  
}
```

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, 156, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 156, 208) }
```

Border

The CSS property to change the border of an element to Yxy 28.3310, 0.2015, 0.2452 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, 156, 208) }
```

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

```
.border{ border-color:rgb(1, 156, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 156, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 156, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 156, 208);  
box-shadow:4px 4px 4px 4px rgb(1, 156,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 28.3310, 0.2015, 0.2452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 156, 208) }
```

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

```
.background{ background-color: rgb(1, 156,  
208) }
```

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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