

Converting Colors

$Yxy(27.0125, 0.1866, 0.2479)$

Have a look what the booklet for
Yxy(27.0125, 0.1866, 0.2479)
contains.

Yxy(28.5217, 0.2031, 0.2510)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(28.5217, 0.2031, 0.2510)$

Conversions

Conversions Part 1

Format	Color
Hex	019DCD
RGB	1, 157, 205
RGB Percent	0%, 62%, 80%
CMY	0.9979, 0.3843, 0.1962
CMYK	1.00, 0.23, 0.00, 0.20
HSL	194°, 99%, 40%
HSV	194°, 100%, 80%
XYZ	23.0787, 28.5217, 62.0319
YIQ	115.8280, -108.3840, -18.1440

Conversions

Conversions Part 2

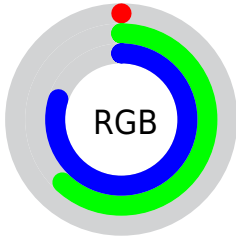
Format	Color
RYB	1, 89, 205
Decimal	105933
CIELab	60.36, -17.19, -34.15
CIELCh	60, 38.232, 243.276
Yxy	28.5217, 0.2031, 0.2510
Android (android.graphics.Color)	4278296013 (0xFF019DCD)
YUV	115.8280, 43.9618, -100.7042
Hunter-Lab	53.4057, -16.3231, -31.4826

Details

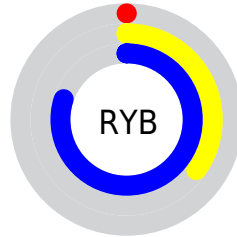
The Yxy color **28.5217, 0.2031, 0.2510** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **15.1336, 0.6114, 0.3525**, and the grayscale version is **17.2513, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0737, 0.2267, 0.2755**, and **12.5424, 0.1974, 0.2305** is the 20% darker color. If you saturate the color by 10%, you get **28.4767, 0.2030, 0.2508**, and if you desaturate by 10%, it is **30.3390, 0.2072, 0.2596**.

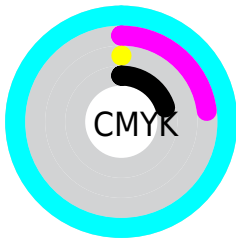
Distribution



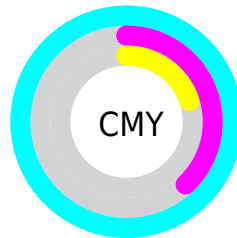
- Red (0%)
- Green (62%)
- Blue (80%)



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



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (38%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5217, 0.2031, 0.2510 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 28.5217, 0.2031, 0.2510 by changing the saturation by 10% instead.


 28.5217, 0.2031,
0.2510


 28.5217, 0.2031,
0.2510


294.9515, 0.2592,
0.2933


 18.7193, 0.1891,
0.2396


 57.3163, 0.2236,
0.2670


 11.4676, 0.1714,
0.2247


 77.0773, 0.2312,
0.2729

 6.3823, 0.1484,
0.2044


 100.9265, 0.2377,
0.2777

 3.0789, 0.1180,
0.1759

 129.2485, 0.2433,
0.2818

 1.1731, 0.0770,
0.1347

 162.4276, 0.2481,
0.2853

 0.0395, 0.0000,
0.0118

200.8482, 0.2522,

 0.0000, 0.0000,

0.2883

0.0000

244.8947, 0.2559,
0.2910

■ 28.5217, 0.2031,
0.2510

■ 28.5217, 0.2031,
0.2510

■ 28.4767, 0.2030,
0.2508

■ 30.3390, 0.2072,
0.2596

■ 32.3865, 0.2129,
0.2683

■ 34.7196, 0.2206,
0.2770

■ 37.3686, 0.2301,
0.2856

■ 40.3596, 0.2414,
0.2940

■ 43.7152, 0.2542,
0.3020

■ 47.4561, 0.2680,
0.3096

■ 51.6009, 0.2827,
0.3167

■ 56.1671, 0.2978,
0.3232

Harmonies

Analogous

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



28.5217, 0.2060, 0.2944



28.5217, 0.2031, 0.2510



28.5217, 0.2251, 0.2322

Triad

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



28.5217, 0.2031, 0.2510



28.5217, 0.3936, 0.2979



28.5217, 0.3463, 0.4439

Complementary

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



28.5217, 0.2031, 0.2510



15.1336, 0.6114, 0.3525

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.



28.5217, 0.4013, 0.4308



28.5217, 0.2031, 0.2510



28.5217, 0.4325, 0.3446

Square

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



28.5217, 0.2031, 0.2510



28.5217, 0.3318, 0.2596



28.5217, 0.4343, 0.3922



28.5217, 0.2851, 0.4167

Rectangle

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



28.5217, 0.2031, 0.2510



28.5217, 0.2528, 0.2325



28.5217, 0.4343, 0.3922



28.5217, 0.3661, 0.4435

Sweetspot

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



28.5227, 0.2031, 0.2510



77.3391, 0.2671, 0.3091



43.8709, 0.2930, 0.5746



15.9805, 0.2611, 0.3059



0.0000, 0.0000, 0.0000



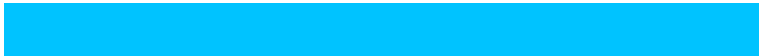
21.4041, 0.3127, 0.3290

Same Dimension

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



28.5227, 0.2031, 0.2510



46.3185, 0.2027, 0.2497



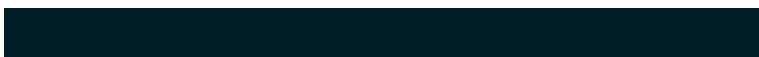
7.1476, 0.1589, 0.0916



12.2633, 0.2983, 0.3234



17.8838, 0.2033, 0.2520



1.0337, 0.2080, 0.2688

Inverse Universe

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



15.4218, 0.3912, 0.1930



25.2070, 0.3925, 0.1936



34.9369, 0.4761, 0.4600



11.3570, 0.3173, 0.3114



9.6084, 0.3902, 0.1923



0.5069, 0.3740, 0.1834

Previews

White Background



This preview shows how the Yxy color 28.5217, 0.2031, 0.2510 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 28.5217, 0.2031, 0.2510 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

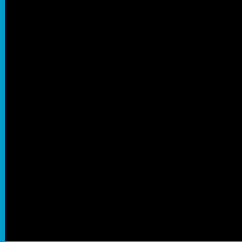
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5217, 0.2031, 0.2510

Background



This preview shows how black text looks on a background with the Yxy color 28.5217, 0.2031, 0.2510.

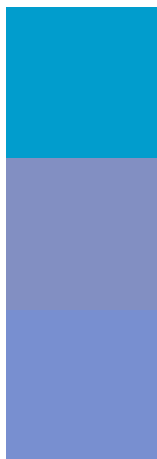


This preview shows how white text looks on a background with the Yxy color 28.5217, 0.2031, 0.2510.

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

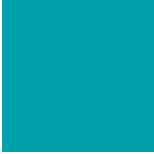
28.5282, 0.2031, 0.2510

Protanopia

28.2858, 0.2568, 0.2525

Deuteranopia

28.1921, 0.2398, 0.2335



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5282, 0.2031, 0.2510



Protanomaly

27.0960, 0.2238, 0.2490



Deuteranomaly

27.2626, 0.2163, 0.2367



Tritanomaly

28.6444, 0.2127, 0.2857

Monochromacy



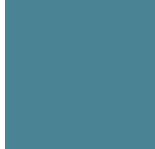
Original Color

28.5282, 0.2031, 0.2510



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

19.8266, 0.2427, 0.2955

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5217, 0.2031, 0.2510 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, 157, 205)` looks like.

```
.text, #text, p{  
    color:rgb(1, 157, 205)  
}
```

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, 157, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 157, 205) }
```

Border

The CSS property to change the border of an element to Yxy 28.5217, 0.2031, 0.2510 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, 157, 205) }
```

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

```
.border{ border-color:rgb(1, 157, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 157, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 157, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 157, 205);  
box-shadow:4px 4px 4px 4px rgb(1, 157,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5217, 0.2031, 0.2510 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 157, 205) }
```

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

```
.background{ background-color: rgb(1, 157,  
205) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor