

Converting Colors

$Yxy(28.6275, 0.2007, 0.2408)$

Have a look what the booklet for
Yxy(28.6275, 0.2007, 0.2408)
contains.

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Color

$Y_{xy}(28.5756, 0.2005, 0.2402)$

Conversions

Conversions Part 1

Format	Color
Hex	069CD4
RGB	6, 156, 212
RGB Percent	2%, 61%, 83%
CMY	0.9748, 0.3882, 0.1687
CMYK	0.97, 0.26, 0.00, 0.17
HSL	196°, 94%, 43%
HSV	196°, 97%, 83%
XYZ	23.8527, 28.5756, 66.5376
YIQ	117.5340, -107.3760, -14.3840

Conversions

Conversions Part 2

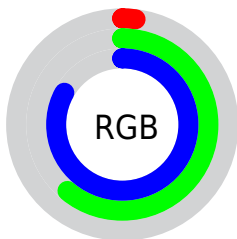
Format	Color
R _Y B	6, 93, 212
Decimal	433364
CIE Lab	60.41, -13.95, -37.99
CIE LCh	60, 40.468, 249.833
Yxy	28.5756, 0.2005, 0.2402
Android (android.graphics.Color)	4278623444 (0xFF069CD4)
YUV	117.5340, 46.5717, -97.8153
Hunter-Lab	53.4562, -13.8998, -36.3798

Details

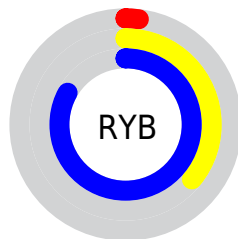
The Yxy color **28.5756, 0.2005, 0.2402** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **17.4975, 0.5969, 0.3611**, and the grayscale version is **17.8848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.1968, 0.2268, 0.2730**, and **12.5375, 0.1940, 0.2184** is the 20% darker color. If you saturate the color by 10%, you get **27.9526, 0.1992, 0.2371**, and if you desaturate by 10%, it is **30.7604, 0.2054, 0.2503**.

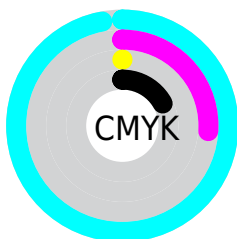
Distribution



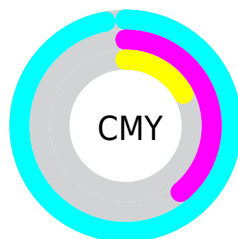
- Red (2%)
- Green (61%)
- Blue (83%)



- Red (2%)
- Yellow (36%)
- Blue (83%)



- Cyan (97%)
- Magenta (26%)
- Yellow (0%)
- Black (17%)




- Cyan (97%)
- Magenta (39%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5756, 0.2005, 0.2402 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 28.5756, 0.2005, 0.2402 by changing the saturation by 10% instead.


 28.5756, 0.2005,
0.2402


 28.5756, 0.2005,
0.2402


295.2072, 0.2577,
0.2876


 18.7600, 0.1864,
0.2278


 57.4021, 0.2213,
0.2579


 11.4970, 0.1685,
0.2117


 77.1818, 0.2291,
0.2645

 6.4022, 0.1455,
0.1902


 101.0517, 0.2357,
0.2699

 3.0911, 0.1155,
0.1607

 129.3961, 0.2414,
0.2745

 1.1795, 0.0765,
0.1196

 162.5995, 0.2463,
0.2785

 0.0449, 0.0000,
0.0112

201.0462, 0.2506,

 0.0000, 0.0000,

0.2819

0.0000

245.1206, 0.2544,
0.2849

■ 28.5756, 0.2005,
0.2402

■ 28.5756, 0.2005,
0.2402

■ 27.9526, 0.1992,
0.2371

■ 30.7604, 0.2054,
0.2503

■ 33.2444, 0.2121,
0.2606

■ 36.0702, 0.2209,
0.2708

■ 39.2699, 0.2315,
0.2809

■ 42.8710, 0.2437,
0.2907

■ 46.8978, 0.2572,
0.3000

■ 51.3725, 0.2717,
0.3088

■ 56.3156, 0.2867,
0.3169

■ 61.7458, 0.3020,
0.3243

Harmonies

Analogous

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



28.5756, 0.1976, 0.2799



28.5756, 0.2005, 0.2402



28.5756, 0.2289, 0.2263

Triad

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



28.5756, 0.2005, 0.2402



28.5756, 0.4101, 0.3062



28.5756, 0.3334, 0.4486

Complementary

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



28.5756, 0.2005, 0.2402



17.4975, 0.5969, 0.3611

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.



28.5756, 0.3944, 0.4423



28.5756, 0.2005, 0.2402



28.5756, 0.4433, 0.3559

Square

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



28.5756, 0.2005, 0.2402



28.5756, 0.3478, 0.2638



28.5756, 0.4360, 0.4050



28.5756, 0.2701, 0.4105

Rectangle

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



28.5756, 0.2005, 0.2402



28.5756, 0.2612, 0.2300



28.5756, 0.4360, 0.4050



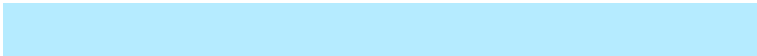
28.5756, 0.3549, 0.4512

Sweetspot

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



28.5766, 0.2005, 0.2402



76.3891, 0.2682, 0.3068



47.4621, 0.2904, 0.5633



15.7200, 0.2620, 0.3030



0.0000, 0.0000, 0.0000



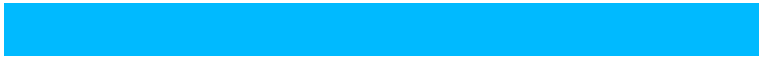
21.4041, 0.3127, 0.3290

Same Dimension

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



28.5766, 0.2005, 0.2402



42.1561, 0.1989, 0.2361



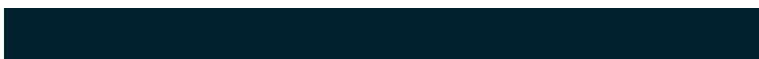
7.4687, 0.1587, 0.0891



13.5093, 0.2982, 0.3225



17.4329, 0.1996, 0.2386



1.1858, 0.2045, 0.2561

Inverse Universe

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



16.5355, 0.4019, 0.2001



24.7868, 0.4063, 0.2012



40.5683, 0.4656, 0.4668



12.5723, 0.3179, 0.3122



10.1047, 0.4037, 0.1998



0.6230, 0.3863, 0.1901

Previews

White Background



This preview shows how the Yxy color 28.5756, 0.2005, 0.2402 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 28.5756, 0.2005, 0.2402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

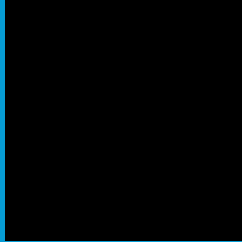
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5756, 0.2005, 0.2402

Background



This preview shows how black text looks on a background with the Yxy color 28.5756, 0.2005, 0.2402.

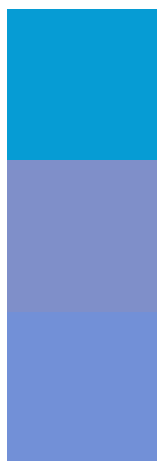


This preview shows how white text looks on a background with the Yxy color 28.5756, 0.2005, 0.2402.

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

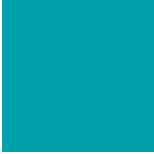
28.5691, 0.2005, 0.2402

Protanopia

28.3740, 0.2495, 0.2432

Deuteranopia

28.4302, 0.2319, 0.2259



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.5691, 0.2005, 0.2402



Protanomaly

27.4266, 0.2202, 0.2399



Deuteranomaly

27.5307, 0.2123, 0.2280



Tritanomaly

28.3970, 0.2115, 0.2807

Monochromacy



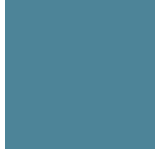
Original Color

28.5691, 0.2005, 0.2402



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.3473, 0.2423, 0.2904

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5756, 0.2005, 0.2402 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(6, 156, 212)` looks like.

```
.text, #text, p{  
    color:rgb(6, 156, 212)  
}
```

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(6, 156, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 156, 212) }
```

Border

The CSS property to change the border of an element to Yxy 28.5756, 0.2005, 0.2402 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(6, 156, 212) }
```

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

```
.border{ border-color:rgb(6, 156, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 156, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 156, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 156, 212);  
box-shadow:4px 4px 4px 4px rgb(6, 156,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5756, 0.2005, 0.2402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 156, 212) }
```

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

```
.background{ background-color: rgb(6, 156,  
212) }
```

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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