

Converting Colors

$Yxy(28.5199, 0.2035, 0.2526)$

Have a look what the booklet for
Yxy(28.5199, 0.2035, 0.2526)
contains.

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Color

Yxy(28.4736, 0.2034, 0.2523)

Conversions

Conversions Part 1

Format	Color
Hex	009DCC
RGB	0, 157, 204
RGB Percent	0%, 62%, 80%
CMY	1.0000, 0.3843, 0.1999
CMYK	1.00, 0.23, 0.00, 0.20
HSL	194°, 100%, 40%
HSV	194°, 100%, 80%
XYZ	22.9549, 28.4736, 61.4276
YIQ	115.4150, -108.6590, -18.6670

Conversions

Conversions Part 2

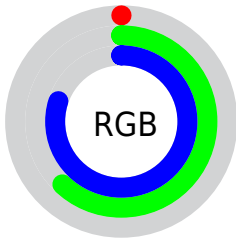
Format	Color
RYB	0, 89, 204
Decimal	40396
CIELab	60.31, -17.57, -33.68
CIELCh	60, 37.988, 242.457
Yxy	28.4736, 0.2034, 0.2523
Android (android.graphics.Color)	4278230476 (0xFF009DCC)
YUV	115.4150, 43.6724, -101.2190
Hunter-Lab	53.3607, -16.5932, -30.9008

Details

The Yxy color **28.4736, 0.2034, 0.2523** 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 **14.8753, 0.6128, 0.3516**, and the grayscale version is **17.1683, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.0163, 0.2263, 0.2754**, and **12.5101, 0.1978, 0.2322** is the 20% darker color. If you saturate the color by 10%, you get **28.4766, 0.2034, 0.2523**, and if you desaturate by 10%, it is **30.2515, 0.2074, 0.2607**.

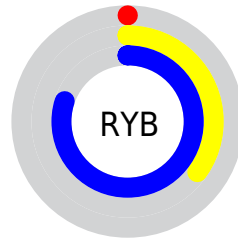
Distribution



Red (0%)

Green (62%)

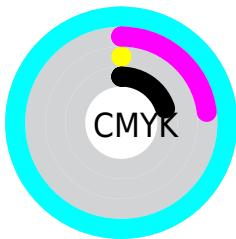
Blue (80%)



Red (0%)

Yellow (35%)

Blue (80%)

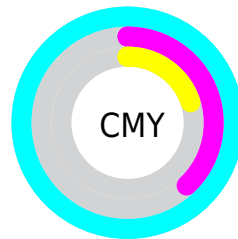


Cyan (100%)

Magenta (23%)

Yellow (0%)

Black (20%)



Cyan (100%)


Magenta (38%)

Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.4736, 0.2034, 0.2523 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 28.4736, 0.2034, 0.2523 by changing the saturation by 10% instead.

 28.4736, 0.2034,
0.2523


 28.4736, 0.2034,
0.2523


294.7231, 0.2594,
0.2940


 18.6830, 0.1894,
0.2411


 57.2397, 0.2238,
0.2681


 11.4414, 0.1717,
0.2263


 76.9839, 0.2315,
0.2739

 6.3646, 0.1486,
0.2062


 100.8148, 0.2380,
0.2786

 3.0680, 0.1182,
0.1777

 129.1168, 0.2435,
0.2827

 1.1673, 0.0768,
0.1366

 162.2742, 0.2483,
0.2861

 0.0348, 0.0000,
0.0107

200.6715, 0.2525,

 0.0000, 0.0000,

0.2891

0.0000

244.6930, 0.2561,
0.2917

■ 28.4736, 0.2034,
0.2523

■ 28.4736, 0.2034,
0.2523

■ 28.4766, 0.2034,
0.2523

■ 30.2515, 0.2074,
0.2607

■ 32.2497, 0.2130,
0.2692

■ 34.5273, 0.2206,
0.2777

■ 37.1146, 0.2301,
0.2862

■ 40.0371, 0.2413,
0.2944

■ 43.3174, 0.2539,
0.3023

■ 46.9758, 0.2677,
0.3098

■ 51.0309, 0.2823,
0.3168

■ 55.4999, 0.2974,
0.3232

Harmonies

Analogous

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



28.4736, 0.2070, 0.2962



28.4736, 0.2034, 0.2523



28.4736, 0.2247, 0.2329

Triad

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



28.4736, 0.2034, 0.2523



28.4736, 0.3916, 0.2969



28.4736, 0.3478, 0.4433

Complementary

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



28.4736, 0.2034, 0.2523



14.8753, 0.6128, 0.3516

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.



28.4736, 0.4021, 0.4294



28.4736, 0.2034, 0.2523



28.4736, 0.4312, 0.3432

Square

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



28.4736, 0.2034, 0.2523



28.4736, 0.3300, 0.2591



28.4736, 0.4341, 0.3907



28.4736, 0.2869, 0.4174

Rectangle

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



28.4736, 0.2034, 0.2523



28.4736, 0.2519, 0.2328



28.4736, 0.4341, 0.3907



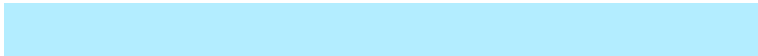
28.4736, 0.3674, 0.4426

Sweetspot

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



28.4766, 0.2034, 0.2523



77.5271, 0.2671, 0.3095



43.3807, 0.2939, 0.5780



16.0258, 0.2611, 0.3064



0.0000, 0.0000, 0.0000



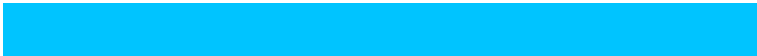
21.4041, 0.3127, 0.3290

Same Dimension

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



28.4766, 0.2034, 0.2523



46.8053, 0.2031, 0.2512



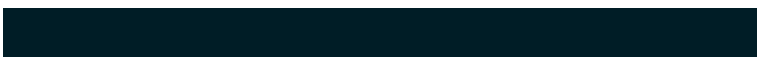
7.3675, 0.1597, 0.0948



12.2716, 0.2983, 0.3235



18.0657, 0.2038, 0.2535



1.0418, 0.2083, 0.2699

Inverse Universe

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



15.2753, 0.3899, 0.1922



25.2562, 0.3910, 0.1928



33.4657, 0.4806, 0.4566



11.3578, 0.3172, 0.3113



9.6267, 0.3888, 0.1915



0.5077, 0.3729, 0.1828

Previews

White Background



This preview shows how the Yxy color 28.4736, 0.2034, 0.2523 looks on a white background.

Color Contrast Check

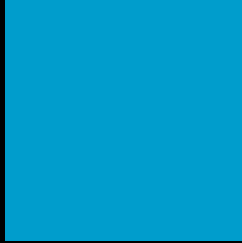
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.4736, 0.2034, 0.2523 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 28.4736, 0.2034, 0.2523

Background



This preview shows how black text looks on a background with the Yxy color 28.4736, 0.2034, 0.2523.

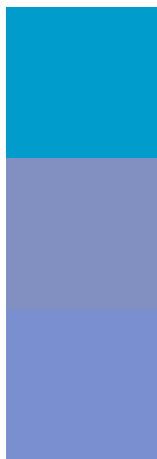


This preview shows how white text looks on a background with the Yxy color 28.4736, 0.2034, 0.2523.

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

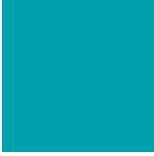
28.4736, 0.2034, 0.2523

Protanopia

28.2410, 0.2575, 0.2538

Deuteranopia

28.2149, 0.2411, 0.2349



Tritanopia

28.5069, 0.2187, 0.3073

Trichromacy



Original Color

28.4736, 0.2034, 0.2523



Protanomaly

27.0500, 0.2243, 0.2503



Deuteranomaly

27.2138, 0.2168, 0.2380



Tritanomaly

28.6023, 0.2131, 0.2872

Monochromacy



Original Color

28.4736, 0.2034, 0.2523



Achromatopsia

17.1441, 0.3127, 0.3290



Achromatomaly

19.4883, 0.2423, 0.2952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.4736, 0.2034, 0.2523 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, 157, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 157, 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(0, 157, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 157, 204) }
```

Border

The CSS property to change the border of an element to Yxy 28.4736, 0.2034, 0.2523 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, 157, 204) }
```

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

```
.border{ border-color:rgb(0, 157, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 157, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 157, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 157, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 157,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 28.4736, 0.2034, 0.2523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 157, 204) }
```

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

```
.background{ background-color: rgb(0, 157,  
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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