

Converting Colors

$Yxy(28.4596, 0.2093, 0.2736)$

Have a look what the booklet for
Yxy(28.4596, 0.2093, 0.2736)
contains.

Yxy(28.5579, 0.2096, 0.2746)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	29

Color

Yxy(28.5579, 0.2096, 0.2746)

Conversions

Conversions Part 1

Format	Color
Hex	009FBF
RGB	0, 159, 191
RGB Percent	0%, 62%, 75%
CMY	1.0000, 0.3764, 0.2511
CMYK	1.00, 0.17, 0.00, 0.25
HSL	190°, 100%, 37%
HSV	190°, 100%, 75%
XYZ	21.7980, 28.5579, 53.6423
YIQ	115.1070, -105.0360, -23.7560

Conversions

Conversions Part 2

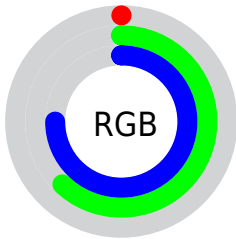
Format	Color
RYB	0, 87, 191
Decimal	40895
CIELab	60.39, -23.21, -26.25
CIElCh	60, 35.044, 228.518
Yxy	28.5579, 0.2096, 0.2746
Android (android.graphics.Color)	4278230975 (0xFF009FBF)
YUV	115.1070, 37.4152, -100.9488
Hunter-Lab	53.4396, -20.7091, -22.1071

Details

The Yxy color **28.5579, 0.2096, 0.2746** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.1055, 0.6235, 0.3431**, and the grayscale version is **17.0879, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4052, 0.2294, 0.2871**, and **12.3215, 0.2052, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **28.5603, 0.2096, 0.2746**, and if you desaturate by 10%, it is **29.8137, 0.2129, 0.2805**.

Distribution



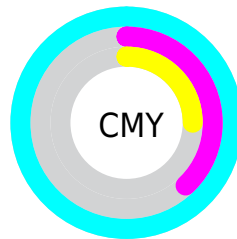
- Red (0%)
- Green (62%)
- Blue (75%)



- Red (0%)
- Yellow (34%)
- Blue (75%)



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (38%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5579, 0.2096, 0.2746 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 28.5579, 0.2096, 0.2746 by changing the saturation by 10% instead.


 28.5579, 0.2096,
0.2746


 28.5579, 0.2096,
0.2746


 295.1233, 0.2628,
0.3051


 18.7466, 0.1961,
0.2659


 57.3739, 0.2292,
0.2865

 11.4873, 0.1788,
0.2542


 77.1475, 0.2364,
0.2907

 6.3956, 0.1560,
0.2376


 101.0106, 0.2426,
0.2942

 3.0871, 0.1252,
0.2130

 129.3477, 0.2478,
0.2971

 1.1774, 0.0782,
0.1749

 162.5431, 0.2523,
0.2996

 0.0431, 0.0000,
0.0192

 200.9812, 0.2563,

 0.0000, 0.0000,

0.3017

0.0000

245.0465, 0.2597,
0.3035

■ 28.5579, 0.2096,
0.2746

■ 28.5579, 0.2096,
0.2746

■ 28.5603, 0.2096,
0.2746

■ 29.8137, 0.2129,
0.2805

■ 31.2328, 0.2177,
0.2865

■ 32.8670, 0.2244,
0.2925

■ 34.7417, 0.2330,
0.2984

■ 36.8782, 0.2434,
0.3042

■ 39.2953, 0.2553,
0.3098

■ 42.0099, 0.2685,
0.3152

■ 45.0376, 0.2826,
0.3202

■ 48.3925, 0.2975,
0.3248

Harmonies

Analogous

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



28.5579, 0.2243, 0.3247



28.5579, 0.2096, 0.2746



28.5579, 0.2188, 0.2455

Triad

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



28.5579, 0.2096, 0.2746



28.5579, 0.3604, 0.2816



28.5579, 0.3707, 0.4324

Complementary

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



28.5579, 0.2096, 0.2746



12.1055, 0.6235, 0.3431

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.



28.5579, 0.4128, 0.4078



28.5579, 0.2096, 0.2746



28.5579, 0.4086, 0.3222

Square

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



28.5579, 0.2096, 0.2746



28.5579, 0.3015, 0.2520



28.5579, 0.4279, 0.3670



28.5579, 0.3153, 0.4256

Rectangle

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



28.5579, 0.2096, 0.2746



28.5579, 0.2377, 0.2386



28.5579, 0.4279, 0.3670



28.5579, 0.3870, 0.4270

Sweetspot

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



28.5603, 0.2096, 0.2746



75.0129, 0.2678, 0.3149



37.3568, 0.2960, 0.5854



16.0041, 0.2621, 0.3127



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



28.5603, 0.2096, 0.2746



50.8515, 0.2094, 0.2737



7.3894, 0.1632, 0.1075



10.5302, 0.2985, 0.3251



18.8752, 0.2098, 0.2754



0.8127, 0.2138, 0.2895

Inverse Universe

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



13.5775, 0.3685, 0.1804



24.2912, 0.3693, 0.1808



26.3357, 0.4935, 0.4464



9.6681, 0.3162, 0.3101



8.9352, 0.3677, 0.1799



0.3574, 0.3547, 0.1728

Previews

White Background



This preview shows how the Yxy color 28.5579, 0.2096, 0.2746 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 28.5579, 0.2096, 0.2746 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

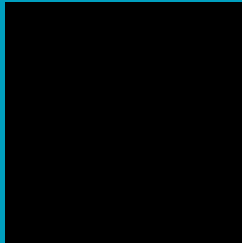
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5579, 0.2096, 0.2746

Background



This preview shows how black text looks on a background with the Yxy color 28.5579, 0.2096, 0.2746.

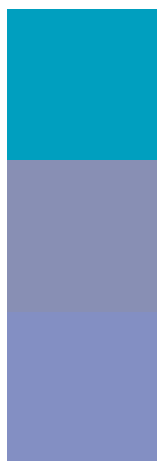


This preview shows how white text looks on a background with the Yxy color 28.5579, 0.2096, 0.2746.

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

28.5579, 0.2096, 0.2746

Protanopia

28.1744, 0.2725, 0.2722

Deuteranopia

28.4103, 0.2569, 0.2514

Trichromacy



Original Color

28.5579, 0.2096, 0.2746

Protanomaly

26.9818, 0.2341, 0.2708

Deuteranomaly

27.2289, 0.2263, 0.2561

Monochromacy



Original Color

28.5579, 0.2096, 0.2746

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

19.6322, 0.2457, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5579, 0.2096, 0.2746 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, 159, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 159, 191)  
}
```

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, 159, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 159, 191) }
```

Border

The CSS property to change the border of an element to Yxy 28.5579, 0.2096, 0.2746 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, 159, 191) }
```

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

```
.border{ border-color:rgb(0, 159, 191) }
```

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

Here you see how a box with a 4 pixel rgb(0, 159, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 159, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 159, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 159,  
191) }
```

Background

The CSS property to change the background color of an element to Yxy 28.5579, 0.2096, 0.2746 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 159, 191) }
```

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

```
.background{ background-color: rgb(0, 159,  
191) }
```

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