

Converting Colors

$Y_{xy}(25.1081, 0.1436, 0.2728)$

Have a look what the booklet for
Yxy(25.1081, 0.1436, 0.2728)
contains.

Yxy(29.9560, 0.2116, 0.2817)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(29.9560, 0.2116, 0.2817)

Conversions

Conversions Part 1

Format	Color
Hex	00A3BF
RGB	0, 163, 191
RGB Percent	0%, 64%, 75%
CMY	0.9994, 0.3608, 0.2510
CMYK	1.00, 0.15, 0.00, 0.25
HSL	189°, 100%, 37%
HSV	189°, 100%, 75%
XYZ	22.5016, 29.9560, 53.8825
YIQ	117.4550, -106.1360, -25.8480

Conversions

Conversions Part 2

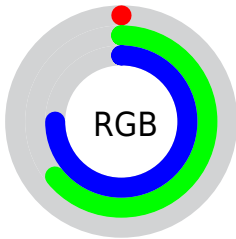
Format	Color
RYB	0, 88, 191
Decimal	41919
CIELab	61.62, -25.24, -24.37
CIELCh	62, 35.089, 223.997
Yxy	29.9560, 0.2116, 0.2817
Android (android.graphics.Color)	4278231999 (0xFF00A3BF)
YUV	117.4550, 36.2577, -103.0080
Hunter-Lab	54.7321, -22.3959, -20.0572

Details

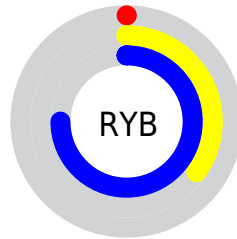
The Yxy color **29.9560, 0.2116, 0.2817** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **11.9130, 0.6264, 0.3407**, and the grayscale version is **17.8617, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.4549, 0.2306, 0.2924**, and **13.1750, 0.2080, 0.2686** is the 20% darker color. If you saturate the color by 10%, you get **29.9486, 0.2116, 0.2817**, and if you desaturate by 10%, it is **31.1030, 0.2146, 0.2868**.

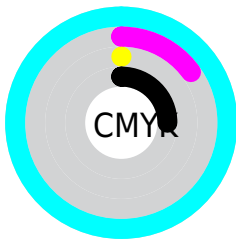
Distribution



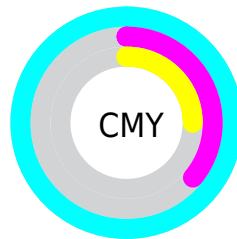
- Red (0%)
- Green (64%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (25%)



- Cyan (100%)
- Magenta (36%)
- Yellow (25%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 29.9560, 0.2116, 0.2817 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 29.9560, 0.2116, 0.2817 by changing the saturation by 10% instead.

■ 29.9560, 0.2116,
0.2817

■ 29.9560, 0.2116,
0.2817

■ 301.6993, 0.2635,
0.3084

■ 19.8052, 0.1985,
0.2741

■ 59.5926, 0.2306,
0.2921

■ 12.2535, 0.1817,
0.2637

■ 79.8472, 0.2377,
0.2958

■ 6.9166, 0.1596,
0.2490

■ 104.2384, 0.2437,
0.2989

■ 3.4100, 0.1298,
0.2269

■ 133.1508, 0.2488,
0.3014

■ 1.3493, 0.0862,
0.1919

■ 166.9687, 0.2532,
0.3036

■ 0.1789, 0.0000,
0.0742

206.0765, 0.2571,

■ 0.0000, 0.0000,

0.3054

0.0000

250.8586, 0.2605,
0.3070

■ 29.9560, 0.2116,
0.2817

■ 29.9560, 0.2116,
0.2817

■ 29.9486, 0.2116,
0.2817

■ 31.1030, 0.2146,
0.2868

■ 32.4088, 0.2192,
0.2920

■ 33.9235, 0.2256,
0.2972

■ 35.6722, 0.2339,
0.3023

■ 37.6763, 0.2440,
0.3074

■ 39.9544, 0.2557,
0.3123

■ 42.5233, 0.2688,
0.3169

■ 45.3986, 0.2828,
0.3213

■ 48.5944, 0.2976,
0.3253

Harmonies

Analogous

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



29.9560, 0.2297, 0.3335



29.9560, 0.2116, 0.2817



29.9560, 0.2172, 0.2495

Triad

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



29.9560, 0.2116, 0.2817



29.9560, 0.3512, 0.2770



29.9560, 0.3775, 0.4290

Complementary

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



29.9560, 0.2116, 0.2817



11.9130, 0.6264, 0.3407

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.



29.9560, 0.4156, 0.4015



29.9560, 0.2116, 0.2817



29.9560, 0.4015, 0.3159

Square

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



29.9560, 0.2116, 0.2817



29.9560, 0.2933, 0.2499



29.9560, 0.4256, 0.3600



29.9560, 0.3238, 0.4275

Rectangle

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



29.9560, 0.2116, 0.2817



29.9560, 0.2337, 0.2405



29.9560, 0.4256, 0.3600



29.9560, 0.3926, 0.4223

Sweetspot

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



29.9571, 0.2116, 0.2817



75.8973, 0.2680, 0.3167



37.3328, 0.2971, 0.5896



16.2234, 0.2623, 0.3147



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.



29.9571, 0.2116, 0.2817



53.3602, 0.2114, 0.2809



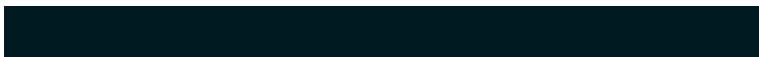
8.1579, 0.1657, 0.1165



10.5645, 0.2985, 0.3255



19.7750, 0.2118, 0.2824



0.8406, 0.2152, 0.2946

Inverse Universe

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



13.7231, 0.3619, 0.1768



24.5445, 0.3627, 0.1771



24.7546, 0.5025, 0.4392



9.6716, 0.3159, 0.3096



9.0260, 0.3613, 0.1764



0.3602, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 29.9560, 0.2116, 0.2817 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 29.9560, 0.2116, 0.2817 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

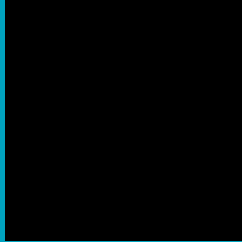
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.9560, 0.2116, 0.2817

Background



This preview shows how black text looks on a background with the Yxy color 29.9560, 0.2116, 0.2817.

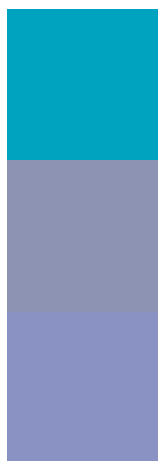


This preview shows how white text looks on a background with the Yxy color 29.9560, 0.2116, 0.2817.

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

29.9560, 0.2116, 0.2817

Protanopia

29.7848, 0.2784, 0.2805

Deuteranopia

29.8163, 0.2624, 0.2569



Tritanopia

30.1246, 0.2184, 0.3061

Trichromacy



Original Color

29.9560, 0.2116, 0.2817



Protanomaly

28.3750, 0.2379, 0.2795



Deuteranomaly

28.3778, 0.2295, 0.2616



Tritanomaly

29.9698, 0.2156, 0.2961

Monochromacy



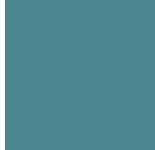
Original Color

29.9560, 0.2116, 0.2817



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.5597, 0.2475, 0.3091

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.9560, 0.2116, 0.2817 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, 163, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 163, 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, 163, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 163, 191) }
```

Border

The CSS property to change the border of an element to Yxy 29.9560, 0.2116, 0.2817 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, 163, 191) }
```

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

```
.border{ border-color:rgb(0, 163, 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, 163, 191) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 163, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 163, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 163,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 29.9560, 0.2116, 0.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 163, 191) }
```

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

```
.background{ background-color: rgb(0, 163,  
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