

Converting Colors

$Y_{xy}(29.6788, 0.2108, 0.2752)$

Have a look what the booklet for
Yxy(29.6788, 0.2108, 0.2752)
contains.

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Color

Yxy(29.8213, 0.2109, 0.2755)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 0DA2C2 |
| RGB | 13, 162, 194 |
| RGB Percent | 5%, 64%, 76% |
| CMY | 0.9473, 0.3647, 0.2392 |
| CMYK | 0.93, 0.17, 0.00, 0.24 |
| HSL | 191°, 87%, 41% |
| HSV | 191°, 93%, 76% |
| XYZ | 22.8287, 29.8213, 55.5943 |
| YIQ | 121.0970, -99.0760, -21.6360 |

Conversions

Conversions Part 2

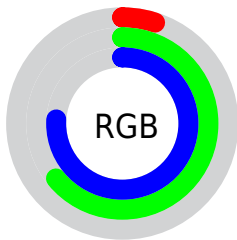
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 13, 95, 194 |
| Decimal | 893634 |
| CIELab | 61.50, -23.25, -26.23 |
| CIElCh | 61, 35.052, 228.452 |
| Yxy | 29.8213, 0.2109, 0.2755 |
| Android (android.graphics.Color) | 4279083714 (0xFF0DA2C2) |
| YUV | 121.0970, 35.9412, -94.8011 |
| Hunter-Lab | 54.6089, -20.9453, -22.1336 |

Details

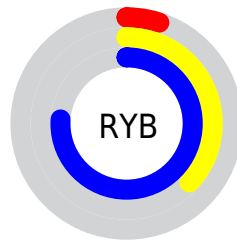
The Yxy color **29.8213, 0.2109, 0.2755** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.4112, 0.6055, 0.3488**, and the grayscale version is **19.1020, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3574, 0.2297, 0.2865**, and **13.0453, 0.2056, 0.2602** is the 20% darker color. If you saturate the color by 10%, you get **28.9024, 0.2087, 0.2711**, and if you desaturate by 10%, it is **31.2824, 0.2153, 0.2818**.

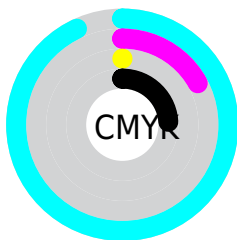
Distribution



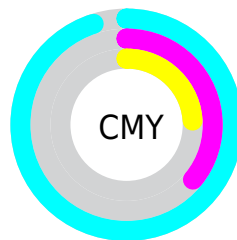
- Red (5%)
- Green (64%)
- Blue (76%)



- Red (5%)
- Yellow (37%)
- Blue (76%)



- Cyan (93%)
- Magenta (17%)
- Yellow (0%)
- Black (24%)





- Cyan (95%)
- Magenta (36%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8213, 0.2109, 0.2755 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 29.8213, 0.2109, 0.2755 by changing the saturation by 10% instead.


 29.8213, 0.2109,
0.2755


 29.8213, 0.2109,
0.2755


301.0706, 0.2631,
0.3054


 19.7030, 0.1977,
0.2671


 59.3795, 0.2300,
0.2871


 12.1793, 0.1809,
0.2558


 79.5881, 0.2372,
0.2912


 6.8659, 0.1588,
0.2399


 103.9290, 0.2432,
0.2946

 3.3784, 0.1291,
0.2164

 132.7865, 0.2483,
0.2975

 1.3323, 0.0867,
0.1798

 166.5450, 0.2528,
0.2999

 0.1660, 0.0000,
0.0637

205.5889, 0.2567,

 0.0000, 0.0000,

0.3020

0.0000

250.3027, 0.2601,
0.3038

■ 29.8213, 0.2109,
0.2755

■ 29.8213, 0.2109,
0.2755

■ 28.9024, 0.2087,
0.2711

■ 31.2824, 0.2153,
0.2818

■ 32.9598, 0.2215,
0.2882

■ 34.8826, 0.2297,
0.2946

■ 37.0741, 0.2396,
0.3008

■ 39.5547, 0.2512,
0.3068

■ 42.3424, 0.2641,
0.3126

■ 45.4539, 0.2781,
0.3180

■ 48.9044, 0.2928,
0.3231

■ 52.7081, 0.3080,
0.3277

Harmonies

Analogous

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



29.8213, 0.2255, 0.3250



29.8213, 0.2109, 0.2755



29.8213, 0.2200, 0.2466

Triad

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



29.8213, 0.2109, 0.2755



29.8213, 0.3597, 0.2821



29.8213, 0.3701, 0.4310

Complementary

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



29.8213, 0.2109, 0.2755



13.4112, 0.6055, 0.3488

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.



29.8213, 0.4115, 0.4068



29.8213, 0.2109, 0.2755



29.8213, 0.4072, 0.3223

Square

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



29.8213, 0.2109, 0.2755



29.8213, 0.3016, 0.2529



29.8213, 0.4263, 0.3665



29.8213, 0.3155, 0.4242

Rectangle

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



29.8213, 0.2109, 0.2755



29.8213, 0.2386, 0.2398



29.8213, 0.4263, 0.3665



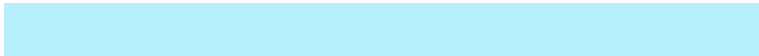
29.8213, 0.3861, 0.4257

Sweetspot

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



29.8224, 0.2109, 0.2755



79.2455, 0.2705, 0.3152



38.8531, 0.2948, 0.5752



16.8256, 0.2644, 0.3127



0.0000, 0.0000, 0.0000



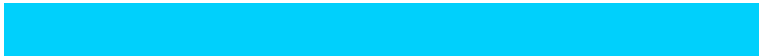
21.4041, 0.3127, 0.3290

Same Dimension

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



29.8224, 0.2109, 0.2755



52.0200, 0.2084, 0.2702



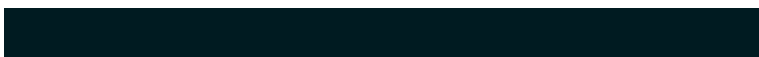
8.8317, 0.1684, 0.1205



11.1148, 0.2984, 0.3248



19.1094, 0.2089, 0.2720



0.9071, 0.2128, 0.2860

Inverse Universe

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



14.3775, 0.3673, 0.1826



25.3186, 0.3727, 0.1827



28.4992, 0.4847, 0.4481



10.2159, 0.3164, 0.3103



9.2113, 0.3709, 0.1817



0.4062, 0.3579, 0.1745

Previews

White Background



This preview shows how the Yxy color 29.8213, 0.2109, 0.2755 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 29.8213, 0.2109, 0.2755 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

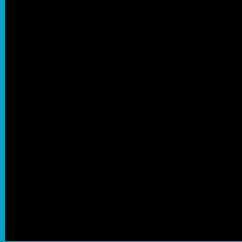
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8213, 0.2109, 0.2755

Background



This preview shows how black text looks on a background with the Yxy color 29.8213, 0.2109, 0.2755.

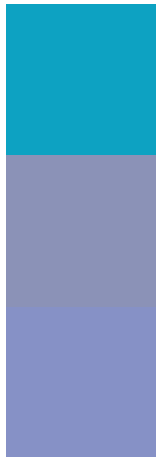


This preview shows how white text looks on a background with the Yxy color 29.8213, 0.2109, 0.2755.

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

29.8213, 0.2109, 0.2755

Protanopia

29.4656, 0.2732, 0.2732

Deuteranopia

29.3963, 0.2576, 0.2511



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8213, 0.2109, 0.2755



Protanomaly

28.3715, 0.2370, 0.2721



Deuteranomaly

28.3381, 0.2292, 0.2561



Tritanomaly

29.6455, 0.2155, 0.2943

Monochromacy



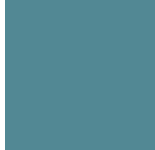
Original Color

29.8213, 0.2109, 0.2755



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.5403, 0.2504, 0.3059

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8213, 0.2109, 0.2755 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(13, 162, 194)` looks like.

```
.text, #text, p{  
    color:rgb(13, 162, 194)  
}
```

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(13, 162, 194) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 162, 194) }
```

Border

The CSS property to change the border of an element to Yxy 29.8213, 0.2109, 0.2755 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(13, 162, 194) }
```

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

```
.border{ border-color:rgb(13, 162, 194) }
```

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

Here you see how a box with a 4 pixel rgb(13, 162, 194) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 162, 194); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 162, 194);  
box-shadow:4px 4px 4px 4px rgb(13, 162,  
194) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8213, 0.2109, 0.2755 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 162, 194) }
```

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

```
.background{ background-color: rgb(13, 162,  
194) }
```

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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