

Converting Colors

$Yxy(28.5422, 0.2107, 0.2753)$

Have a look what the booklet for
Yxy(28.5422, 0.2107, 0.2753)
contains.

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Color

Yxy(28.5851, 0.2109, 0.2762)

Conversions

Conversions Part 1

Format	Color
Hex	0B9FBE
RGB	11, 159, 190
RGB Percent	4%, 62%, 75%
CMY	0.9581, 0.3764, 0.2549
CMYK	0.94, 0.16, 0.00, 0.25
HSL	190°, 89%, 39%
HSV	190°, 94%, 75%
XYZ	21.8269, 28.5851, 53.0822
YIQ	118.2820, -98.1590, -21.7350

Conversions

Conversions Part 2

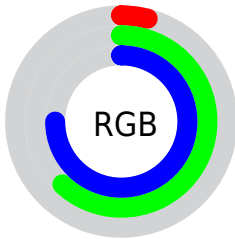
Format	Color
RYB	11, 92, 190
Decimal	761790
CIELab	60.41, -23.18, -25.66
CIELCh	60, 34.581, 227.905
Yxy	28.5851, 0.2109, 0.2762
Android (android.graphics.Color)	4278951870 (0xFF0B9FBE)
YUV	118.2820, 35.3570, -94.0863
Hunter-Lab	53.4650, -20.6918, -21.4399

Details

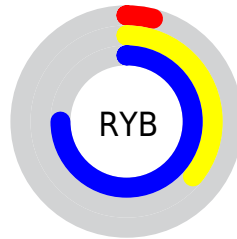
The Yxy color **28.5851, 0.2109, 0.2762** is a dark color, and the websafe version is hex **0099CC**. A complement of this color would be **12.6036, 0.6093, 0.3473**, and the grayscale version is **18.0901, 0.3127, 0.3290**.

A 20% lighter version of the original color is **57.4563, 0.2305, 0.2884**, and **12.3215, 0.2052, 0.2587** is the 20% darker color. If you saturate the color by 10%, you get **27.8868, 0.2091, 0.2728**, and if you desaturate by 10%, it is **29.9330, 0.2150, 0.2823**.

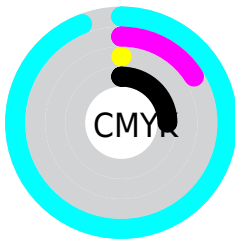
Distribution



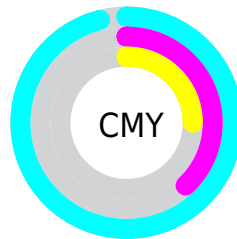
- Red (4%)
- Green (62%)
- Blue (75%)



- Red (4%)
- Yellow (36%)
- Blue (75%)



- Cyan (94%)
- Magenta (16%)
- Yellow (0%)
- Black (25%)





- Cyan (96%)
- Magenta (38%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.5851, 0.2109, 0.2762 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 28.5851, 0.2109, 0.2762 by changing the saturation by 10% instead.


 28.5851, 0.2109,
0.2762

 28.5851, 0.2109,
0.2762


295.2523, 0.2635,
0.3059

 18.7672, 0.1975,
0.2677


 57.4172, 0.2302,
0.2878

 11.5022, 0.1804,
0.2563

 77.2002, 0.2375,
0.2919


 6.4057, 0.1577,
0.2401


 101.0737, 0.2435,
0.2953

 3.0933, 0.1270,
0.2159

 129.4221, 0.2487,
0.2981

 1.1806, 0.0800,
0.1783

 162.6298, 0.2531,
0.3005

 0.0458, 0.0000,
0.0210

201.0811, 0.2570,

 0.0000, 0.0000,

0.3025

0.0000

245.1604, 0.2604,
0.3043

■ 28.5851, 0.2109,
0.2762

■ 28.5851, 0.2109,
0.2762

■ 27.8868, 0.2091,
0.2728

■ 29.9330, 0.2150,
0.2823

■ 31.4816, 0.2209,
0.2885

■ 33.2593, 0.2288,
0.2947

■ 35.2887, 0.2385,
0.3008

■ 37.5894, 0.2498,
0.3067

■ 40.1787, 0.2625,
0.3123

■ 43.0727, 0.2763,
0.3177

■ 46.2858, 0.2909,
0.3226

■ 49.8319, 0.3060,
0.3271

Harmonies

Analogous

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



28.5851, 0.2260, 0.3260



28.5851, 0.2109, 0.2762



28.5851, 0.2195, 0.2469

Triad

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



28.5851, 0.2109, 0.2762



28.5851, 0.3587, 0.2815



28.5851, 0.3711, 0.4308

Complementary

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



28.5851, 0.2109, 0.2762



12.6036, 0.6093, 0.3473

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.



28.5851, 0.4121, 0.4062



28.5851, 0.2109, 0.2762



28.5851, 0.4066, 0.3215

Square

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



28.5851, 0.2109, 0.2762



28.5851, 0.3005, 0.2525



28.5851, 0.4263, 0.3658



28.5851, 0.3165, 0.4247

Rectangle

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



28.5851, 0.2109, 0.2762



28.5851, 0.2379, 0.2398



28.5851, 0.4263, 0.3658



28.5851, 0.3870, 0.4253

Sweetspot

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



28.5861, 0.2109, 0.2762



75.8474, 0.2706, 0.3155



37.0534, 0.2950, 0.5771



16.1589, 0.2646, 0.3132



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.



28.5861, 0.2109, 0.2762



50.2086, 0.2088, 0.2718



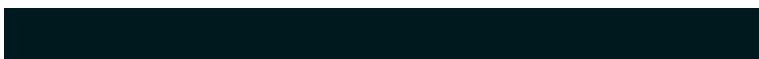
8.2242, 0.1674, 0.1182



10.5213, 0.2985, 0.3249



18.6444, 0.2093, 0.2736



0.8055, 0.2134, 0.2882

Inverse Universe

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



13.6829, 0.3667, 0.1818



24.2263, 0.3711, 0.1818



26.9967, 0.4862, 0.4479



9.6672, 0.3163, 0.3102



8.9119, 0.3694, 0.1809



0.3567, 0.3560, 0.1735

Previews

White Background



This preview shows how the Yxy color 28.5851, 0.2109, 0.2762 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 28.5851, 0.2109, 0.2762 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

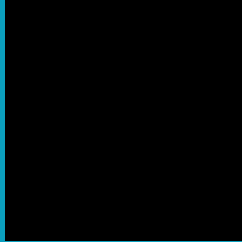
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.5851, 0.2109, 0.2762

Background



This preview shows how black text looks on a background with the Yxy color 28.5851, 0.2109, 0.2762.

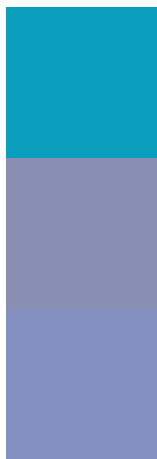


This preview shows how white text looks on a background with the Yxy color 28.5851, 0.2109, 0.2762.

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

28.5851, 0.2109, 0.2762

Protanopia

28.1338, 0.2734, 0.2736

Deuteranopia

28.4455, 0.2584, 0.2528



Tritanopia

28.5457, 0.2182, 0.3056

Trichromacy



Original Color

28.5851, 0.2109, 0.2762

Protanomaly

27.0874, 0.2366, 0.2725

Deuteranomaly

27.4199, 0.2296, 0.2580

Tritanomaly

28.4627, 0.2153, 0.2937

Monochromacy



Original Color

28.5851, 0.2109, 0.2762

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

20.4509, 0.2501, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.5851, 0.2109, 0.2762 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(11, 159, 190)` looks like.

```
.text, #text, p{  
    color:rgb(11, 159, 190)  
}
```

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(11, 159, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 159, 190) }
```

Border

The CSS property to change the border of an element to Yxy 28.5851, 0.2109, 0.2762 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(11, 159, 190) }
```

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

```
.border{ border-color:rgb(11, 159, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 159, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 159, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 159, 190);  
box-shadow:4px 4px 4px 4px rgb(11, 159,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 28.5851, 0.2109, 0.2762 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 159, 190) }
```

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

```
.background{ background-color: rgb(11, 159,  
190) }
```

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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