

Converting Colors

$Y_{xy}(26.0715, 0.2263, 0.3284)$

Have a look what the booklet for
Yxy(26.0715, 0.2263, 0.3284)
contains.

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Color

Yxy(25.9531, 0.2259, 0.3268)

Conversions

Conversions Part 1

Format	Color
Hex	109B9C
RGB	16, 155, 156
RGB Percent	6%, 61%, 61%
CMY	0.9362, 0.3922, 0.3882
CMYK	0.90, 0.01, 0.00, 0.39
HSL	180°, 81%, 34%
HSV	180°, 90%, 61%
XYZ	17.9400, 25.9531, 35.5227
YIQ	113.5530, -83.1650, -29.1570

Conversions

Conversions Part 2

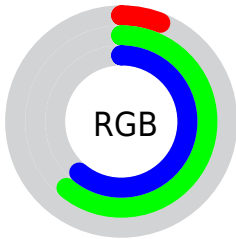
Format	Color
R_{YB}	16, 86, 156
Decimal	1088412
CIE _{Lab}	57.99, -32.12, -10.11
CIE _{LCh}	58, 33.674, 197.470
Yxy	25.9531, 0.2259, 0.3268
Android (android.graphics.Color)	4279278492 (0xFF109B9C)
YUV	113.5530, 20.9264, -85.5540
Hunter-Lab	50.9442, -26.2934, -5.6812

Details

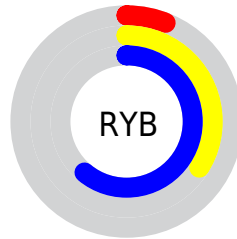
The Yxy color **25.9531, 0.2259, 0.3268** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5180, 0.6161, 0.3305**, and the grayscale version is **16.6670, 0.3127, 0.3290**.

A 20% lighter version of the original color is **53.1792, 0.2436, 0.3288**, and **10.7204, 0.2231, 0.3233** is the 20% darker color. If you saturate the color by 10%, you get **25.8079, 0.2241, 0.3266**, and if you desaturate by 10%, it is **26.1846, 0.2290, 0.3270**.

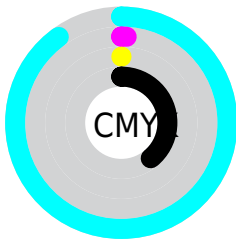
Distribution



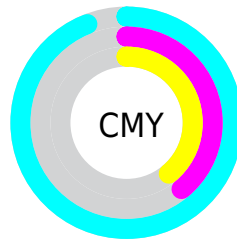
- Red (6%)
- Green (61%)
- Blue (61%)



- Red (6%)
- Yellow (34%)
- Blue (61%)



- Cyan (90%)
- Magenta (1%)
- Yellow (0%)
- Black (39%)





- Cyan (94%)
- Magenta (39%)
- Yellow (39%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 25.9531, 0.2259, 0.3268 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 25.9531, 0.2259, 0.3268 by changing the saturation by 10% instead.


 25.9531, 0.2259,
0.3268


 25.9531, 0.2259,
0.3268


 282.5518, 0.2722,
0.3293


 16.7886, 0.2134,
0.3255


 53.1993, 0.2434,
0.3281


 10.0839, 0.1969,
0.3234


 72.0497, 0.2498,
0.3285


 5.4546, 0.1740,
0.3195

 94.8975, 0.2551,
0.3288

 2.5164, 0.1410,
0.3118

 122.1272, 0.2596,
0.3290

 0.8848, 0.0203,
0.3162

 154.1230, 0.2635,
0.3291

 0.0000, 0.0000,
0.0000

 191.2695, 0.2668,

0.3292

233.9509, 0.2697,
0.3293

■ 25.9531, 0.2259,
0.3268

■ 25.9531, 0.2259,
0.3268

■ 25.8079, 0.2241,
0.3266

■ 26.1846, 0.2290,
0.3270

■ 25.8018, 0.2241,
0.3266

■ 26.5333, 0.2338,
0.3273

■ 27.0150, 0.2405,
0.3275

■ 27.6423, 0.2490,
0.3278

■ 28.4265, 0.2592,
0.3281

■ 29.3777, 0.2710,
0.3283

■ 30.5049, 0.2842,
0.3286

■ 31.8170, 0.2984,
0.3288

■ 33.3217, 0.3134,
0.3290

Harmonies

Analogous

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



25.9531, 0.2640, 0.3849



25.9531, 0.2259, 0.3268



25.9531, 0.2104, 0.2765

Triad

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



25.9531, 0.2259, 0.3268



25.9531, 0.2996, 0.2518



25.9531, 0.4131, 0.4061

Complementary

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



25.9531, 0.2259, 0.3268



7.5180, 0.6161, 0.3305

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.



25.9531, 0.4269, 0.3652



25.9531, 0.2259, 0.3268



25.9531, 0.3581, 0.2807

Square

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



25.9531, 0.2259, 0.3268



25.9531, 0.2497, 0.2393



25.9531, 0.4066, 0.3208



25.9531, 0.3721, 0.4312

Rectangle

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



25.9531, 0.2259, 0.3268



25.9531, 0.2134, 0.2541



25.9531, 0.4066, 0.3208



25.9531, 0.4213, 0.3935

Sweetspot

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



25.9541, 0.2259, 0.3268



53.7362, 0.2736, 0.3284



23.9329, 0.3005, 0.5893



11.6936, 0.2697, 0.3283



78.7412, 0.3127, 0.3290



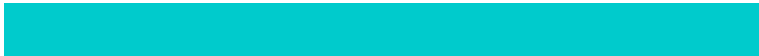
13.2868, 0.3127, 0.3290

Same Dimension

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



25.9541, 0.2259, 0.3268



46.8398, 0.2240, 0.3265



9.1925, 0.1857, 0.1786



7.5012, 0.2988, 0.3288



21.2506, 0.2241, 0.3266



0.3823, 0.2243, 0.3275

Inverse Universe

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



9.8147, 0.3223, 0.1596



17.1258, 0.3228, 0.1552



13.7868, 0.5166, 0.4153



6.7538, 0.3139, 0.3071



7.7675, 0.3227, 0.1551



0.1391, 0.3219, 0.1547

Previews

White Background



This preview shows how the Yxy color 25.9531, 0.2259, 0.3268 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 25.9531, 0.2259, 0.3268 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

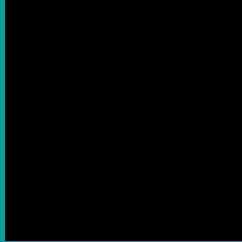
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.9531, 0.2259, 0.3268

Background



This preview shows how black text looks on a background with the Yxy color 25.9531, 0.2259, 0.3268.

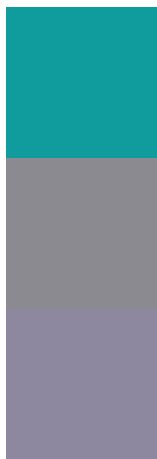


This preview shows how white text looks on a background with the Yxy color 25.9531, 0.2259, 0.3268.

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

25.9531, 0.2259, 0.3268

Protanopia

25.7103, 0.3068, 0.3174

Deuteranopia

25.5287, 0.2943, 0.2890



Tritanopia

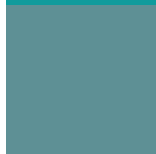
25.8269, 0.2223, 0.3048

Trichromacy



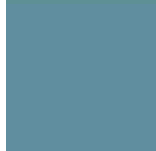
Original Color

25.9531, 0.2259, 0.3268



Protanomaly

24.4961, 0.2612, 0.3197



Deuteranomaly

24.3360, 0.2547, 0.2986



Tritanomaly

25.9394, 0.2239, 0.3138

Monochromacy



Original Color

25.9531, 0.2259, 0.3268



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

18.9052, 0.2601, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.9531, 0.2259, 0.3268 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(16, 155, 156)` looks like.

```
.text, #text, p{  
    color:rgb(16, 155, 156)  
}
```

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(16, 155, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 155, 156) }
```

Border

The CSS property to change the border of an element to Yxy 25.9531, 0.2259, 0.3268 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(16, 155, 156) }
```

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

```
.border{ border-color:rgb(16, 155, 156) }
```

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

Here you see how a box with a 4 pixel rgb(16, 155, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 155, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 155, 156);  
box-shadow:4px 4px 4px 4px rgb(16, 155,  
156) }
```


Background

The CSS property to change the background color of an element to Yxy 25.9531, 0.2259, 0.3268 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 155, 156) }
```

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

```
.background{ background-color: rgb(16, 155,  
156) }
```

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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