

Converting Colors

$Yxy(25.5937, 0.2333, 0.3574)$

Have a look what the booklet for
Yxy(25.5937, 0.2333, 0.3574)
contains.

Yxy(25.7387, 0.2336, 0.3585)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.7387, 0.2336, 0.3585)$

Conversions

Conversions Part 1

Format	Color
Hex	069C8D
RGB	6, 156, 141
RGB Percent	2%, 61%, 55%
CMY	0.9764, 0.3882, 0.4470
CMYK	0.96, 0.00, 0.10, 0.39
HSL	174°, 93%, 32%
HSV	174°, 96%, 61%
XYZ	16.7714, 25.7387, 29.2854
YIQ	109.4400, -84.5850, -36.4650

Conversions

Conversions Part 2

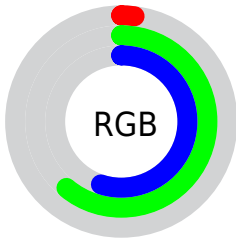
Format	Color
R _{YB}	6, 85, 156
Decimal	433293
CIE _{Lab}	57.79, -37.61, -1.88
CIE _{LCh}	58, 37.655, 182.861
Y _{xy}	25.7387, 0.2336, 0.3585
Android (android.graphics.Color)	4278623373 (0xFF069C8D)
YUV	109.4400, 15.5591, -90.7169
Hunter-Lab	50.7333, -29.7747, 1.2887

Details

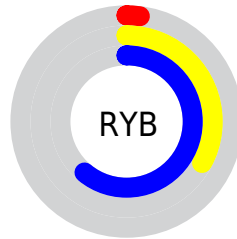
The Yxy color **25.7387, 0.2336, 0.3585** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2527, 0.6172, 0.3218**, and the grayscale version is **15.3983, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7528, 0.2496, 0.3516**, and **10.6560, 0.2351, 0.3663** is the 20% darker color. If you saturate the color by 10%, you get **25.6831, 0.2333, 0.3598**, and if you desaturate by 10%, it is **25.9138, 0.2349, 0.3552**.

Distribution



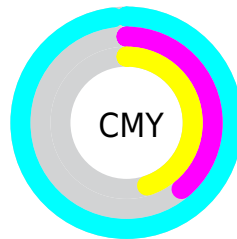
- Red (2%)
- Green (61%)
- Blue (55%)



- Red (2%)
- Yellow (33%)
- Blue (61%)



- Cyan (96%)
- Magenta (0%)
- Yellow (10%)
- Black (39%)




- Cyan (98%)
- Magenta (39%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7387, 0.2336, 0.3585 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 25.7387, 0.2336, 0.3585 by changing the saturation by 10% instead.


 25.7387, 0.2336,
0.3585


 25.7387, 0.2336,
0.3585


281.4970, 0.2765,
0.3428


 16.6283, 0.2218,
0.3627


 52.8531, 0.2500,
0.3526

 9.9698, 0.2058,
0.3683


 71.6259, 0.2559,
0.3504

 5.3789, 0.1834,
0.3759

 94.3882, 0.2608,
0.3486

 2.4713, 0.1500,
0.3868

 121.5245, 0.2649,
0.3471

 0.8622, 0.0000,
0.4453

 153.4191, 0.2685,
0.3458

 0.0000, 0.0000,
0.0000

 190.4564, 0.2715,

0.3446

233.0210, 0.2741,
0.3437

■ 25.7387, 0.2336,
0.3585

■ 25.7387, 0.2336,
0.3585

■ 25.6831, 0.2333,
0.3598

■ 25.9138, 0.2349,
0.3552

■ 26.1922, 0.2378,
0.3518

■ 26.5948, 0.2425,
0.3484

■ 27.1355, 0.2491,
0.3451

■ 27.8265, 0.2574,
0.3418

■ 28.6784, 0.2674,
0.3387

■ 29.7010, 0.2786,
0.3358

■ 30.9035, 0.2910,
0.3330

■ 32.2941, 0.3043,
0.3305

Harmonies

Analogous

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



25.7387, 0.2853, 0.4192



25.7387, 0.2336, 0.3585



25.7387, 0.2044, 0.2944

Triad

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



25.7387, 0.2336, 0.3585



25.7387, 0.2686, 0.2345



25.7387, 0.4368, 0.3924

Complementary

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



25.7387, 0.2336, 0.3585



7.2527, 0.6172, 0.3218

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.



25.7387, 0.4345, 0.3440



25.7387, 0.2336, 0.3585



25.7387, 0.3312, 0.2580

Square

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



25.7387, 0.2336, 0.3585



25.7387, 0.2231, 0.2307



25.7387, 0.3943, 0.2967



25.7387, 0.4035, 0.4321

Rectangle

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



25.7387, 0.2336, 0.3585



25.7387, 0.1994, 0.2620



25.7387, 0.3943, 0.2967



25.7387, 0.4404, 0.3767

Sweetspot

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



25.7397, 0.2336, 0.3585



53.2721, 0.2746, 0.3368



23.9503, 0.3033, 0.5938



11.5614, 0.2702, 0.3379



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.



25.7397, 0.2336, 0.3585



46.6299, 0.2335, 0.3604



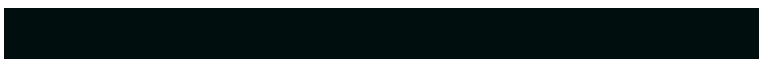
10.8055, 0.1898, 0.1999



7.4981, 0.3001, 0.3312



21.1573, 0.2332, 0.3595



0.3813, 0.2295, 0.3461

Inverse Universe

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



7.2527, 0.6172, 0.3218



12.8893, 0.6294, 0.3241



10.9782, 0.5577, 0.3902



6.6564, 0.3269, 0.3268



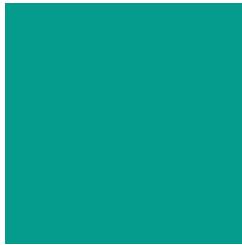
5.8543, 0.6255, 0.3219



0.1074, 0.5664, 0.2894

Previews

White Background



This preview shows how the Yxy color 25.7387, 0.2336, 0.3585 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 25.7387, 0.2336, 0.3585 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 25.7387, 0.2336, 0.3585

Background



This preview shows how black text looks on a background with the Yxy color 25.7387, 0.2336, 0.3585.

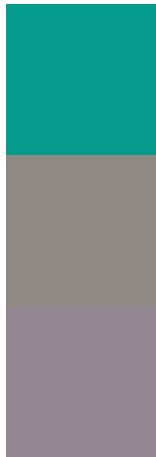


This preview shows how white text looks on a background with the Yxy color 25.7387, 0.2336, 0.3585.

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

25.7387, 0.2336, 0.3585

Protanopia

25.2808, 0.3246, 0.3391

Deuteranopia

25.4214, 0.3159, 0.3097



Tritanopia

25.9502, 0.2252, 0.3067

Trichromacy



Original Color

25.7387, 0.2336, 0.3585

Protanomaly

24.0229, 0.2716, 0.3459

Deuteranomaly

23.8464, 0.2663, 0.3252

Tritanomaly

25.7584, 0.2275, 0.3250

Monochromacy



Original Color

25.7387, 0.2336, 0.3585

Achromatopsia

15.2926, 0.3127, 0.3290

Achromatomaly

17.6799, 0.2610, 0.3397

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7387, 0.2336, 0.3585 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(6, 156, 141)` looks like.

```
.text, #text, p{  
    color:rgb(6, 156, 141)  
}
```

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(6, 156, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(6, 156, 141) }
```

Border

The CSS property to change the border of an element to Yxy 25.7387, 0.2336, 0.3585 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(6, 156, 141) }
```

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

```
.border{ border-color:rgb(6, 156, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(6, 156, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(6, 156, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(6, 156, 141);  
box-shadow:4px 4px 4px 4px rgb(6, 156,  
141) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7387, 0.2336, 0.3585 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(6, 156, 141) }
```

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

```
.background{ background-color: rgb(6, 156,  
141) }
```

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