

Converting Colors

$Yxy(25.5507, 0.2323, 0.3516)$

Have a look what the booklet for
Yxy(25.5507, 0.2323, 0.3516)
contains.

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Color

$\text{Yxy}(25.5345, 0.2320, 0.3504)$

Conversions

Conversions Part 1

Format	Color
Hex	0C9B90
RGB	12, 155, 144
RGB Percent	5%, 61%, 56%
CMY	0.9536, 0.3921, 0.4352
CMYK	0.92, 0.00, 0.07, 0.39
HSL	175°, 86%, 33%
HSV	175°, 92%, 61%
XYZ	16.9064, 25.5345, 30.4315
YIQ	110.9890, -81.6970, -33.7370

Conversions

Conversions Part 2

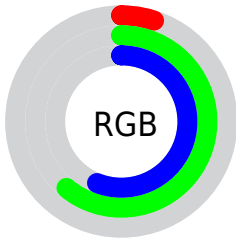
Format	Color
R_{YB}	12, 86, 155
Decimal	826256
CIE _{Lab}	57.59, -36.01, -3.88
CIE _{LCh}	58, 36.223, 186.148
Yxy	25.5345, 0.2320, 0.3504
Android (android.graphics.Color)	4279016336 (0xFF0C9B90)
YUV	110.9890, 16.2744, -86.8134
Hunter-Lab	50.5317, -28.7096, -0.3339

Details

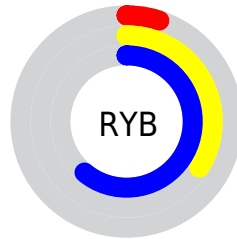
The Yxy color **25.5345, 0.2320, 0.3504** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.2891, 0.6115, 0.3229**, and the grayscale version is **15.8491, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.4976, 0.2487, 0.3458**, and **10.5086, 0.2318, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **25.4308, 0.2312, 0.3523**, and if you desaturate by 10%, it is **25.7327, 0.2340, 0.3479**.

Distribution



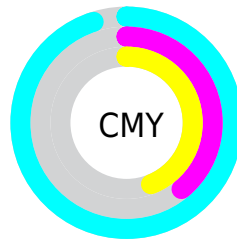
- Red (5%)
- Green (61%)
- Blue (56%)



- Red (5%)
- Yellow (34%)
- Blue (61%)



- Cyan (92%)
- Magenta (0%)
- Yellow (7%)
- Black (39%)





- Cyan (95%)
- Magenta (39%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.5345, 0.2320, 0.3504 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 25.5345, 0.2320, 0.3504 by changing the saturation by 10% instead.


 25.5345, 0.2320,
0.3504


 25.5345, 0.2320,
0.3504


280.4894, 0.2756,
0.3394


 16.4757, 0.2200,
0.3532


 52.5230, 0.2487,
0.3464

 9.8614, 0.2039,
0.3567


 71.2216, 0.2547,
0.3448

 5.3072, 0.1813,
0.3612


 93.9021, 0.2597,
0.3436

 2.4286, 0.1479,
0.3669

 120.9491, 0.2639,
0.3425

 0.8405, 0.0000,
0.4111

 152.7470, 0.2675,
0.3415

 0.0000, 0.0000,
0.0000

 189.6800, 0.2705,

0.3407

232.1327, 0.2733,
0.3400

■ 25.5345, 0.2320,
0.3504

■ 25.5345, 0.2320,
0.3504

■ 25.4308, 0.2312,
0.3523

■ 25.7327, 0.2340,
0.3479

■ 26.0421, 0.2378,
0.3453

■ 26.4790, 0.2434,
0.3428

■ 27.0564, 0.2508,
0.3403

■ 27.7857, 0.2599,
0.3379

■ 28.6771, 0.2706,
0.3355

■ 29.7399, 0.2826,
0.3333

■ 30.9826, 0.2956,
0.3313

■ 32.4133, 0.3094,
0.3294

Harmonies

Analogous

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



25.5345, 0.2802, 0.4105



25.5345, 0.2320, 0.3504



25.5345, 0.2062, 0.2900

Triad

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



25.5345, 0.2320, 0.3504



25.5345, 0.2762, 0.2390



25.5345, 0.4306, 0.3956

Complementary

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



25.5345, 0.2320, 0.3504



7.2891, 0.6115, 0.3229

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.



25.5345, 0.4323, 0.3491



25.5345, 0.2320, 0.3504



25.5345, 0.3377, 0.2637

Square

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



25.5345, 0.2320, 0.3504



25.5345, 0.2298, 0.2331



25.5345, 0.3972, 0.3026



25.5345, 0.3955, 0.4318

Rectangle

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



25.5345, 0.2320, 0.3504



25.5345, 0.2031, 0.2603



25.5345, 0.3972, 0.3026



25.5345, 0.4353, 0.3806

Sweetspot

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



25.5355, 0.2320, 0.3504



52.0440, 0.2750, 0.3347



23.6617, 0.3033, 0.5902



11.6147, 0.2703, 0.3356



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.



25.5355, 0.2320, 0.3504



45.5284, 0.2313, 0.3528



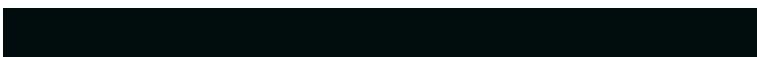
10.6915, 0.1908, 0.2001



7.0184, 0.2999, 0.3307



20.4274, 0.2311, 0.3521



0.3075, 0.2280, 0.3408

Inverse Universe

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



7.2891, 0.6115, 0.3229



12.5158, 0.6325, 0.3258



11.5641, 0.5440, 0.3964



6.2300, 0.3272, 0.3273



5.6208, 0.6290, 0.3239



0.0858, 0.5796, 0.2966

Previews

White Background



This preview shows how the Yxy color 25.5345, 0.2320, 0.3504 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 25.5345, 0.2320, 0.3504 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

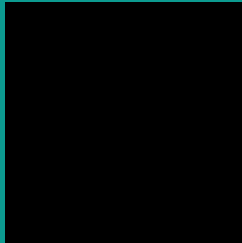
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.5345, 0.2320, 0.3504

Background



This preview shows how black text looks on a background with the Yxy color 25.5345, 0.2320, 0.3504.

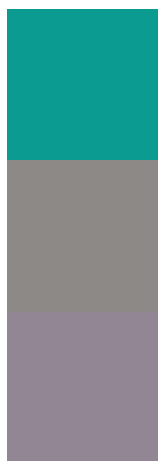


This preview shows how white text looks on a background with the Yxy color 25.5345, 0.2320, 0.3504.

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

25.5345, 0.2320, 0.3504

Protanopia

25.2753, 0.3203, 0.3340

Deuteranopia

25.3311, 0.3105, 0.3048



Tritanopia

25.5489, 0.2247, 0.3065

Trichromacy



Original Color

25.5345, 0.2320, 0.3504



Protanomaly

24.1612, 0.2700, 0.3401



Deuteranomaly

23.9940, 0.2647, 0.3197



Tritanomaly

25.4637, 0.2265, 0.3212

Monochromacy



Original Color

25.5345, 0.2320, 0.3504



Achromatopsia

15.8961, 0.3127, 0.3290



Achromatomaly

18.1047, 0.2621, 0.3374

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.5345, 0.2320, 0.3504 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(12, 155, 144)` looks like.

```
.text, #text, p{  
    color:rgb(12, 155, 144)  
}
```

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(12, 155, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(12, 155, 144) }
```

Border

The CSS property to change the border of an element to Yxy 25.5345, 0.2320, 0.3504 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(12, 155, 144) }
```

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

```
.border{ border-color:rgb(12, 155, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(12, 155, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(12, 155, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(12, 155, 144);  
box-shadow:4px 4px 4px 4px rgb(12, 155,  
144) }
```


Background

The CSS property to change the background color of an element to Yxy 25.5345, 0.2320, 0.3504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(12, 155, 144) }
```

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

```
.background{ background-color: rgb(12, 155,  
144) }
```

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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