

Converting Colors

$Yxy(25.2083, 0.2360, 0.3452)$

Have a look what the booklet for
Yxy(25.2083, 0.2360, 0.3452)
contains.

Yxy(25.2201, 0.2358, 0.3444)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.2201, 0.2358, 0.3444)$

Conversions

Conversions Part 1

Format	Color
Hex	259991
RGB	37, 153, 145
RGB Percent	15%, 60%, 57%
CMY	0.8544, 0.4000, 0.4314
CMYK	0.76, 0.00, 0.05, 0.40
HSL	176°, 61%, 37%
HSV	176°, 76%, 60%
XYZ	17.2674, 25.2201, 30.7416
YIQ	117.4040, -66.5680, -27.0800

Conversions

Conversions Part 2

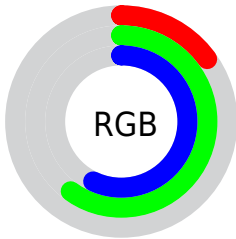
Format	Color
RYB	37, 97, 153
Decimal	2464145
CIELab	57.29, -32.72, -4.84
CIELCh	57, 33.076, 188.422
Yxy	25.2201, 0.2358, 0.3444
Android (android.graphics.Color)	4280654225 (0xFF259991)
YUV	117.4040, 13.6048, -70.5143
Hunter-Lab	50.2196, -26.5092, -1.1402

Details

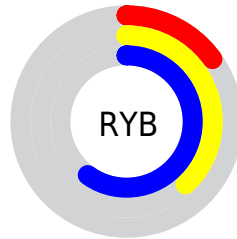
The Yxy color **25.2201, 0.2358, 0.3444** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.2932, 0.5509, 0.3200**, and the grayscale version is **17.9044, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.0601, 0.2515, 0.3415**, and **10.1336, 0.2295, 0.3461** is the 20% darker color. If you saturate the color by 10%, you get **24.9616, 0.2326, 0.3467**, and if you desaturate by 10%, it is **25.5996, 0.2408, 0.3421**.

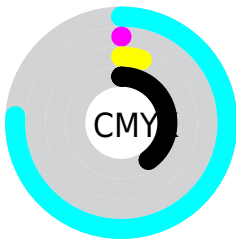
Distribution



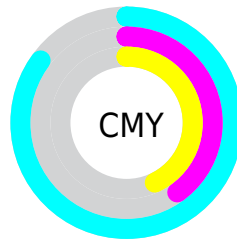
- Red (15%)
- Green (60%)
- Blue (57%)



- Red (15%)
- Yellow (38%)
- Blue (60%)



- Cyan (76%)
- Magenta (0%)
- Yellow (5%)
- Black (40%)





- Cyan (85%)
- Magenta (40%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.2201, 0.2358, 0.3444 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 25.2201, 0.2358, 0.3444 by changing the saturation by 10% instead.


 25.2201, 0.2358,
0.3444


 25.2201, 0.2358,
0.3444


278.9323, 0.2774,
0.3367


 16.2411, 0.2243,
0.3462


 52.0141, 0.2517,
0.3416


 9.6949, 0.2089,
0.3485


 70.5978, 0.2575,
0.3406


 5.1972, 0.1872,
0.3511

 93.1520, 0.2622,
0.3397

 2.3634, 0.1547,
0.3539

 120.0609, 0.2662,
0.3389

 0.8070, 0.0000,
0.3942

 151.7090, 0.2696,
0.3383

 0.0000, 0.0000,
0.0000

 188.4807, 0.2726,

0.3377

230.7603, 0.2752,
0.3372

■ 25.2201, 0.2358,
0.3444

■ 25.2201, 0.2358,
0.3444

■ 24.9616, 0.2326,
0.3467

■ 25.5996, 0.2408,
0.3421

■ 24.8029, 0.2310,
0.3489

■ 26.1103, 0.2477,
0.3399

■ 24.7472, 0.2305,
0.3499

■ 26.7647, 0.2563,
0.3377

■ 27.5729, 0.2666,
0.3356

■ 28.5444, 0.2782,
0.3335

■ 29.6876, 0.2910,
0.3317

■ 31.0104, 0.3046,
0.3299

■ 32.5204, 0.3188,
0.3283

■ 34.2245, 0.3334,
0.3269

Harmonies

Analogous

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



25.2201, 0.2793, 0.3996



25.2201, 0.2358, 0.3444



25.2201, 0.2133, 0.2901

Triad

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



25.2201, 0.2358, 0.3444



25.2201, 0.2833, 0.2467



25.2201, 0.4198, 0.3943

Complementary

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



25.2201, 0.2358, 0.3444



8.2932, 0.5509, 0.3200

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.



25.2201, 0.4235, 0.3517



25.2201, 0.2358, 0.3444



25.2201, 0.3403, 0.2710

Square

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



25.2201, 0.2358, 0.3444



25.2201, 0.2387, 0.2400



25.2201, 0.3936, 0.3081



25.2201, 0.3860, 0.4254

Rectangle

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



25.2201, 0.2358, 0.3444



25.2201, 0.2115, 0.2636



25.2201, 0.3936, 0.3081



25.2201, 0.4248, 0.3808

Sweetspot

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



25.2211, 0.2358, 0.3444



51.5617, 0.2810, 0.3331



23.5149, 0.3067, 0.5596



11.2446, 0.2769, 0.3338



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.2211, 0.2358, 0.3444



44.4904, 0.2313, 0.3483



12.7408, 0.2051, 0.2264



7.0192, 0.2998, 0.3305



20.4561, 0.2305, 0.3497



0.3077, 0.2277, 0.3396

Inverse Universe

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



8.2932, 0.5509, 0.3200



12.6537, 0.6138, 0.3239



13.4671, 0.4972, 0.3997



6.2293, 0.3273, 0.3275



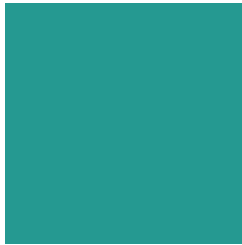
5.6184, 0.6301, 0.3245



0.0856, 0.5849, 0.2996

Previews

White Background



This preview shows how the Yxy color 25.2201, 0.2358, 0.3444 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 25.2201, 0.2358, 0.3444 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 25.2201, 0.2358, 0.3444

Background



This preview shows how black text looks on a background with the Yxy color 25.2201, 0.2358, 0.3444.

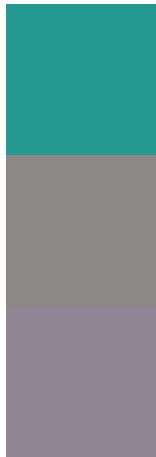


This preview shows how white text looks on a background with the Yxy color 25.2201, 0.2358, 0.3444.

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

25.2201, 0.2358, 0.3444

Protanopia

24.8466, 0.3171, 0.3307

Deuteranopia

24.8743, 0.3084, 0.3030



Tritanopia

25.1100, 0.2280, 0.3047

Trichromacy



Original Color

25.2201, 0.2358, 0.3444



Protanomaly

24.0349, 0.2757, 0.3344



Deuteranomaly

23.8975, 0.2704, 0.3145



Tritanomaly

25.0914, 0.2310, 0.3193

Monochromacy



Original Color

25.2201, 0.2358, 0.3444



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

19.5723, 0.2710, 0.3350

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.2201, 0.2358, 0.3444 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(37, 153, 145)` looks like.

```
.text, #text, p{  
    color:rgb(37, 153, 145)  
}
```

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(37, 153, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 153, 145) }
```

Border

The CSS property to change the border of an element to Yxy 25.2201, 0.2358, 0.3444 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(37, 153, 145) }
```

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

```
.border{ border-color:rgb(37, 153, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 153, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 153, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 153, 145);  
box-shadow:4px 4px 4px 4px rgb(37, 153,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 25.2201, 0.2358, 0.3444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 153, 145) }
```

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

```
.background{ background-color: rgb(37, 153,  
145) }
```

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