

Converting Colors

$Yxy(25.6212, 0.2391, 0.3385)$

Have a look what the booklet for
Yxy(25.6212, 0.2391, 0.3385)
contains.

Yxy(25.6244, 0.2390, 0.3383)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.6244, 0.2390, 0.3383)$

Conversions

Conversions Part 1

Format	Color
Hex	339994
RGB	51, 153, 148
RGB Percent	20%, 60%, 58%
CMY	0.8000, 0.4000, 0.4195
CMYK	0.67, 0.00, 0.03, 0.40
HSL	177°, 50%, 40%
HSV	177°, 67%, 60%
XYZ	18.1030, 25.6244, 32.0172
YIQ	121.9320, -59.1870, -23.1790

Conversions

Conversions Part 2

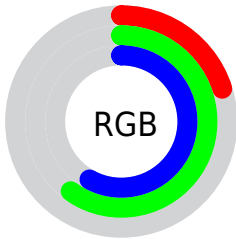
Format	Color
RYB	51, 103, 153
Decimal	3381652
CIELab	57.68, -29.90, -5.96
CIELCh	58, 30.492, 191.278
Yxy	25.6244, 0.2390, 0.3383
Android (android.graphics.Color)	4281571732 (0xFF339994)
YUV	121.9320, 12.8515, -62.2074
Hunter-Lab	50.6205, -24.7507, -2.0662

Details

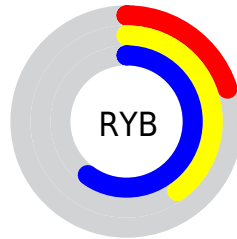
The Yxy color **25.6244, 0.2390, 0.3383** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **9.4256, 0.5144, 0.3225**, and the grayscale version is **19.4116, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7555, 0.2541, 0.3371**, and **10.1704, 0.2278, 0.3402** is the 20% darker color. If you saturate the color by 10%, you get **25.2677, 0.2340, 0.3399**, and if you desaturate by 10%, it is **26.1140, 0.2458, 0.3367**.

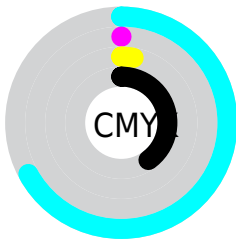
Distribution



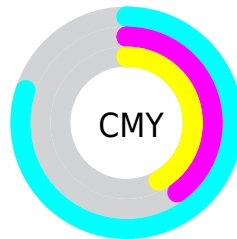
- Red (20%)
- Green (60%)
- Blue (58%)



- Red (20%)
- Yellow (40%)
- Blue (60%)



- Cyan (67%)
- Magenta (0%)
- Yellow (3%)
- Black (40%)



- Cyan (80%)
- Magenta (40%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.6244, 0.2390, 0.3383 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 25.6244, 0.2390, 0.3383 by changing the saturation by 10% instead.


 25.6244, 0.2390,
0.3383


 25.6244, 0.2390,
0.3383


280.9334, 0.2788,
0.3340


 16.5429, 0.2281,
0.3392


 52.6684, 0.2542,
0.3369


 9.9091, 0.2134,
0.3401


 71.3996, 0.2597,
0.3363


 5.3387, 0.1928,
0.3408

 94.1162, 0.2642,
0.3358

 2.4473, 0.1621,
0.3406

 121.2026, 0.2680,
0.3353

 0.8501, 0.0336,
0.3661

 153.0431, 0.2713,
0.3349

 0.0000, 0.0000,
0.0000

190.0221, 0.2741,

0.3346

232.5241, 0.2766,
0.3343

■ 25.6244, 0.2390,
0.3383

■ 25.6244, 0.2390,
0.3383

■ 25.2677, 0.2340,
0.3399

■ 26.1140, 0.2458,
0.3367

■ 25.0275, 0.2308,
0.3415

■ 26.7452, 0.2545,
0.3352

■ 24.8841, 0.2292,
0.3430

■ 27.5292, 0.2647,
0.3337

■ 24.8435, 0.2288,
0.3436

■ 28.4754, 0.2764,
0.3323

■ 29.5925, 0.2893,
0.3310

■ 30.8883, 0.3031,
0.3298

■ 32.3705, 0.3176,
0.3286

■ 34.0460, 0.3325,
0.3276

■ 35.9216, 0.3475,
0.3267

Harmonies

Analogous

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



25.6244, 0.2778, 0.3891



25.6244, 0.2390, 0.3383



25.6244, 0.2200, 0.2897

Triad

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



25.6244, 0.2390, 0.3383



25.6244, 0.2905, 0.2542



25.6244, 0.4093, 0.3932

Complementary

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



25.6244, 0.2390, 0.3383



9.4256, 0.5144, 0.3225

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.



25.6244, 0.4153, 0.3545



25.6244, 0.2390, 0.3383



25.6244, 0.3433, 0.2782

Square

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



25.6244, 0.2390, 0.3383



25.6244, 0.2477, 0.2464



25.6244, 0.3906, 0.3137



25.6244, 0.3765, 0.4194

Rectangle

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



25.6244, 0.2390, 0.3383



25.6244, 0.2196, 0.2662



25.6244, 0.3906, 0.3137



25.6244, 0.4147, 0.3811

Sweetspot

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



25.6254, 0.2390, 0.3383



52.2133, 0.2844, 0.3315



23.8655, 0.3061, 0.5362



11.4159, 0.2811, 0.3318



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.



25.6254, 0.2390, 0.3383



45.0150, 0.2322, 0.3407



13.5404, 0.2134, 0.2334



7.0213, 0.2995, 0.3301



20.5339, 0.2287, 0.3434



0.3084, 0.2268, 0.3364

Inverse Universe

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



9.4256, 0.5144, 0.3225



13.8409, 0.5801, 0.3237



15.5427, 0.4648, 0.4013



6.2273, 0.3276, 0.3280



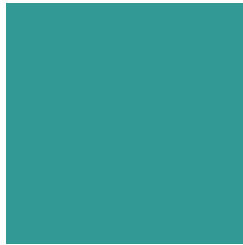
5.6122, 0.6330, 0.3260



0.0850, 0.5998, 0.3078

Previews

White Background



This preview shows how the Yxy color 25.6244, 0.2390, 0.3383 looks on a white background.

Color Contrast Check

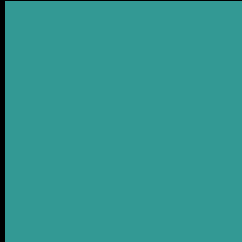
Large Text (above 18pt) WCAG AA ✓ Pass

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 25.6244, 0.2390, 0.3383 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

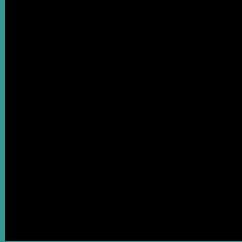
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.6244, 0.2390, 0.3383

Background



This preview shows how black text looks on a background with the Yxy color 25.6244, 0.2390, 0.3383.



This preview shows how white text looks on a background with the Yxy color 25.6244, 0.2390, 0.3383.

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

25.6244, 0.2390, 0.3383

Protanopia

25.3017, 0.3150, 0.3273

Deuteranopia

25.2465, 0.3053, 0.3000



Tritanopia

25.7074, 0.2325, 0.3069

Trichromacy



Original Color

25.6244, 0.2390, 0.3383

Protanomaly

24.7861, 0.2787, 0.3307

Deuteranomaly

24.5991, 0.2726, 0.3113

Tritanomaly

25.7658, 0.2346, 0.3176

Monochromacy



Original Color

25.6244, 0.2390, 0.3383

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

20.9005, 0.2756, 0.3328

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.6244, 0.2390, 0.3383 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(51, 153, 148)` looks like.

```
.text, #text, p{  
    color:rgb(51, 153, 148)  
}
```

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(51, 153, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 153, 148) }
```

Border

The CSS property to change the border of an element to Yxy 25.6244, 0.2390, 0.3383 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(51, 153, 148) }
```

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

```
.border{ border-color:rgb(51, 153, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 153, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 153, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 153, 148);  
box-shadow:4px 4px 4px 4px rgb(51, 153,  
148) }
```


Background

The CSS property to change the background color of an element to Yxy 25.6244, 0.2390, 0.3383 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 153, 148) }
```

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

```
.background{ background-color: rgb(51, 153,  
148) }
```

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