

Converting Colors

$Y_{xy}(25.1953, 0.2538, 0.3896)$

Have a look what the booklet for
Yxy(25.1953, 0.2538, 0.3896)
contains.

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Color

Yxy(25.1948, 0.2538, 0.3896)

Conversions

Conversions Part 1

Format	Color
Hex	309A7C
RGB	48, 154, 124
RGB Percent	19%, 60%, 49%
CMY	0.8116, 0.3961, 0.5138
CMYK	0.69, 0.00, 0.19, 0.40
HSL	163°, 52%, 40%
HSV	163°, 69%, 60%
XYZ	16.4128, 25.1948, 23.0607
YIQ	118.8860, -53.5460, -31.8020

Conversions

Conversions Part 2

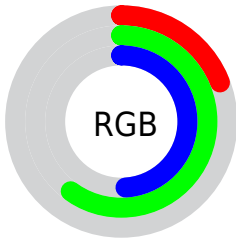
Format	Color
R_{YB}	48, 110, 154
Decimal	3185276
CIE _{Lab}	57.26, -37.36, 7.10
CIE _{LCh}	57, 38.034, 169.237
Yxy	25.1948, 0.2538, 0.3896
Android (android.graphics.Color)	4281375356 (0xFF309A7C)
YUV	118.8860, 2.5212, -62.1670
Hunter-Lab	50.1944, -29.4734, 7.8966

Details

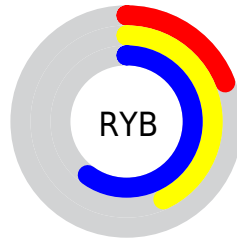
The Yxy color **25.1948, 0.2538, 0.3896** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **9.5379, 0.4701, 0.2845**, and the grayscale version is **18.4176, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.9634, 0.2665, 0.3750**, and **10.0107, 0.2478, 0.4119** is the 20% darker color. If you saturate the color by 10%, you get **24.7759, 0.2509, 0.4001**, and if you desaturate by 10%, it is **25.7506, 0.2585, 0.3793**.

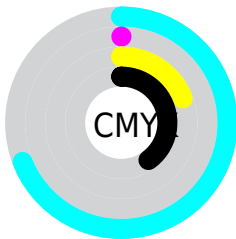
Distribution



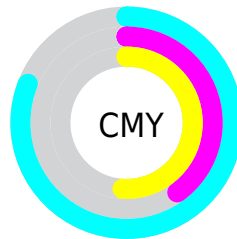
- Red (19%)
- Green (60%)
- Blue (49%)



- Red (19%)
- Yellow (43%)
- Blue (60%)



- Cyan (69%)
- Magenta (0%)
- Yellow (19%)
- Black (40%)





- Cyan (81%)
- Magenta (40%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.1948, 0.2538, 0.3896 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 25.1948, 0.2538, 0.3896 by changing the saturation by 10% instead.


 25.1948, 0.2538,
0.3896


 25.1948, 0.2538,
0.3896


278.8067, 0.2866,
0.3552


 16.2222, 0.2443,
0.3999


 51.9731, 0.2666,
0.3759


 9.6816, 0.2312,
0.4144


 70.5476, 0.2712,
0.3712

 5.1883, 0.2120,
0.4362

 93.0915, 0.2749,
0.3673

 2.3582, 0.1815,
0.4725

 119.9893, 0.2780,
0.3640

 0.8043, 0.0000,
0.6796

 151.6253, 0.2807,
0.3613

 0.0000, 0.0000,
0.0000

188.3840, 0.2829,

0.3590

230.6496, 0.2849,
0.3569

■ 25.1948, 0.2538,
0.3896

■ 25.1948, 0.2538,
0.3896

■ 24.7759, 0.2509,
0.4001

■ 25.7506, 0.2585,
0.3793

■ 24.4768, 0.2500,
0.4106

■ 26.4524, 0.2650,
0.3693

■ 24.2689, 0.2505,
0.4210

■ 27.3121, 0.2729,
0.3598

■ 24.2457, 0.2506,
0.4223

■ 28.3395, 0.2821,
0.3509

■ 29.5435, 0.2922,
0.3426

■ 30.9324, 0.3029,
0.3351

■ 32.5140, 0.3141,
0.3282

■ 34.2956, 0.3254,
0.3221

■ 36.2841, 0.3367,
0.3166

Harmonies

Analogous

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



25.1948, 0.3132, 0.4390



25.1948, 0.2538, 0.3896



25.1948, 0.2129, 0.3218

Triad

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



25.1948, 0.2538, 0.3896



25.1948, 0.2442, 0.2286



25.1948, 0.4428, 0.3712

Complementary

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



25.1948, 0.2538, 0.3896



9.5379, 0.4701, 0.2845

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.



25.1948, 0.4223, 0.3217



25.1948, 0.2538, 0.3896



25.1948, 0.3012, 0.2439

Square

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



25.1948, 0.2538, 0.3896



25.1948, 0.2086, 0.2349



25.1948, 0.3680, 0.2768



25.1948, 0.4240, 0.4173

Rectangle

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



25.1948, 0.2538, 0.3896



25.1948, 0.1998, 0.2821



25.1948, 0.3680, 0.2768



25.1948, 0.4405, 0.3546

Sweetspot

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



25.1958, 0.2538, 0.3896



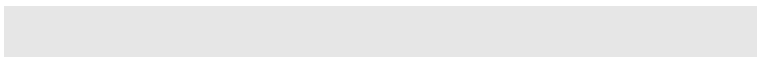
53.0636, 0.2895, 0.3447



24.9477, 0.3242, 0.5308



11.8820, 0.2869, 0.3468



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.



25.1958, 0.2538, 0.3896



44.6636, 0.2501, 0.4062



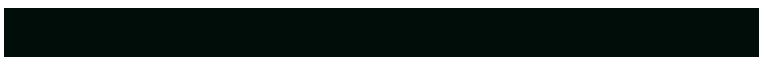
19.2064, 0.2236, 0.2830



6.9967, 0.3025, 0.3354



19.7595, 0.2504, 0.4215



0.3015, 0.2377, 0.3755

Inverse Universe

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



9.5379, 0.4701, 0.2845



14.2415, 0.5280, 0.2859



11.5898, 0.5053, 0.3634



6.2500, 0.3241, 0.3227



5.7486, 0.5766, 0.2950



0.0916, 0.4724, 0.2376

Previews

White Background



This preview shows how the Yxy color 25.1948, 0.2538, 0.3896 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 25.1948, 0.2538, 0.3896 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

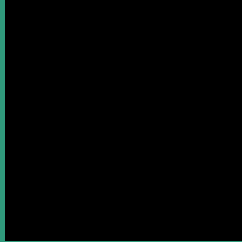
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.1948, 0.2538, 0.3896

Background



This preview shows how black text looks on a background with the Yxy color 25.1948, 0.2538, 0.3896.



This preview shows how white text looks on a background with the Yxy color 25.1948, 0.2538, 0.3896.

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

25.1948, 0.2538, 0.3896

Protanopia

24.7754, 0.3444, 0.3646

Deuteranopia

24.8598, 0.3405, 0.3340



Tritanopia

25.1919, 0.2358, 0.3068

Trichromacy



Original Color

25.1948, 0.2538, 0.3896

Protanomaly

24.2041, 0.3013, 0.3759

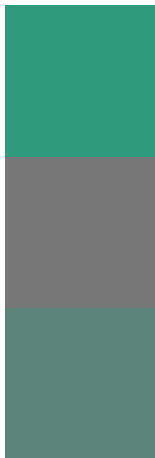
Deuteranomaly

23.9333, 0.2989, 0.3528

Tritanomaly

25.2011, 0.2418, 0.3345

Monochromacy



Original Color

25.1948, 0.2538, 0.3896

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

20.2102, 0.2817, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.1948, 0.2538, 0.3896 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(48, 154, 124)` looks like.

```
.text, #text, p{  
  color:rgb(48, 154, 124)  
}
```

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(48, 154, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 154, 124) }
```

Border

The CSS property to change the border of an element to Yxy 25.1948, 0.2538, 0.3896 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(48, 154, 124) }
```

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

```
.border{ border-color:rgb(48, 154, 124) }
```

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

Here you see how a box with a 4 pixel rgb(48, 154, 124) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 154, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 154, 124);  
box-shadow:4px 4px 4px 4px rgb(48, 154,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 25.1948, 0.2538, 0.3896 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 154, 124) }
```

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

```
.background{ background-color: rgb(48, 154,  
124) }
```

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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