

Converting Colors

$Y_{xy}(25.6965, 0.2522, 0.3701)$

Have a look what the booklet for
Yxy(25.6965, 0.2522, 0.3701)
contains.

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Color

Yxy(25.7042, 0.2524, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	3A9A85
RGB	58, 154, 133
RGB Percent	23%, 60%, 52%
CMY	0.7726, 0.3961, 0.4784
CMYK	0.62, 0.00, 0.14, 0.40
HSL	167°, 45%, 42%
HSV	167°, 62%, 60%
XYZ	17.5344, 25.7042, 26.2322
YIQ	122.9020, -50.4750, -26.8830

Conversions

Conversions Part 2

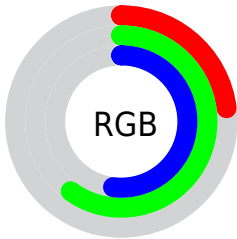
Format	Color
RYB	58, 112, 154
Decimal	3840645
CIELab	57.76, -33.28, 2.72
CIElCh	58, 33.386, 175.334
Yxy	25.7042, 0.2524, 0.3700
Android (android.graphics.Color)	4282030725 (0xFF3A9A85)
YUV	122.9020, 4.9783, -56.9191
Hunter-Lab	50.6993, -26.9893, 4.8125

Details

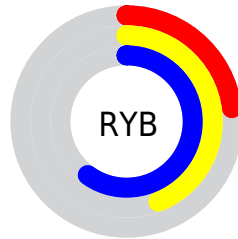
The Yxy color **25.7042, 0.2524, 0.3700** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **10.4600, 0.4608, 0.2966**, and the grayscale version is **19.7692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7909, 0.2651, 0.3613**, and **10.1428, 0.2396, 0.3827** is the 20% darker color. If you saturate the color by 10%, you get **25.2191, 0.2478, 0.3778**, and if you desaturate by 10%, it is **26.3323, 0.2588, 0.3624**.

Distribution



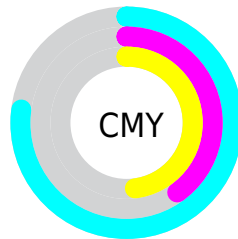
- Red (23%)
- Green (60%)
- Blue (52%)



- Red (23%)
- Yellow (44%)
- Blue (60%)



- Cyan (62%)
- Magenta (0%)
- Yellow (14%)
- Black (40%)




- Cyan (77%)
- Magenta (40%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.7042, 0.2524, 0.3700 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 25.7042, 0.2524, 0.3700 by changing the saturation by 10% instead.


 25.7042, 0.2524,
0.3700


 25.7042, 0.2524,
0.3700


281.3270, 0.2855,
0.3472


 16.6025, 0.2430,
0.3766


 52.7974, 0.2652,
0.3611

 9.9515, 0.2302,
0.3857


 71.5576, 0.2698,
0.3579


 5.3668, 0.2118,
0.3990

 94.3061, 0.2736,
0.3554

 2.4640, 0.1833,
0.4203

 121.4273, 0.2767,
0.3532

 0.8585, 0.0023,
0.5342

 153.3056, 0.2794,
0.3514

 0.0000, 0.0000,
0.0000

190.3254, 0.2817,

0.3498

232.8711, 0.2837,
0.3484

■ 25.7042, 0.2524,
0.3700

■ 25.7042, 0.2524,
0.3700

■ 25.2191, 0.2478,
0.3778

■ 26.3323, 0.2588,
0.3624

■ 24.8613, 0.2451,
0.3857

■ 27.1117, 0.2668,
0.3551

■ 24.6166, 0.2442,
0.3936

■ 28.0533, 0.2762,
0.3481

■ 24.4763, 0.2443,
0.3996

■ 29.1665, 0.2867,
0.3417

■ 30.4596, 0.2980,
0.3357

■ 31.9406, 0.3099,
0.3302

■ 33.6169, 0.3221,
0.3253

■ 35.4956, 0.3344,
0.3209

■ 37.5834, 0.3467,
0.3169

Harmonies

Analogous

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



25.7042, 0.3026, 0.4175



25.7042, 0.2524, 0.3700



25.7042, 0.2200, 0.3122

Triad

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



25.7042, 0.2524, 0.3700



25.7042, 0.2615, 0.2411



25.7042, 0.4259, 0.3765

Complementary

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



25.7042, 0.2524, 0.3700



10.4600, 0.4608, 0.2966

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.



25.7042, 0.4146, 0.3323



25.7042, 0.2524, 0.3700



25.7042, 0.3148, 0.2583

Square

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



25.7042, 0.2524, 0.3700



25.7042, 0.2252, 0.2431



25.7042, 0.3723, 0.2906



25.7042, 0.4040, 0.4144

Rectangle

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



25.7042, 0.2524, 0.3700



25.7042, 0.2112, 0.2797



25.7042, 0.3723, 0.2906



25.7042, 0.4260, 0.3620

Sweetspot

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



25.7052, 0.2524, 0.3700



53.6423, 0.2899, 0.3398



25.1402, 0.3207, 0.5148



12.0060, 0.2870, 0.3415



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.



25.7052, 0.2524, 0.3700



45.5136, 0.2464, 0.3811



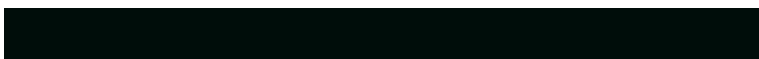
18.7754, 0.2274, 0.2781



7.0034, 0.3016, 0.3339



19.9462, 0.2442, 0.3990



0.3033, 0.2345, 0.3641

Inverse Universe

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



10.4600, 0.4608, 0.2966



15.4229, 0.5163, 0.2955



13.4538, 0.4737, 0.3699



6.2437, 0.3251, 0.3242



5.6943, 0.5974, 0.3065



0.0898, 0.4997, 0.2526

Previews

White Background



This preview shows how the Yxy color 25.7042, 0.2524, 0.3700 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 25.7042, 0.2524, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

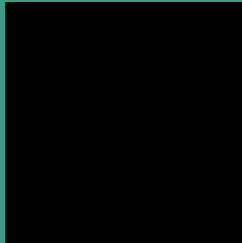
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7042, 0.2524, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 25.7042, 0.2524, 0.3700.

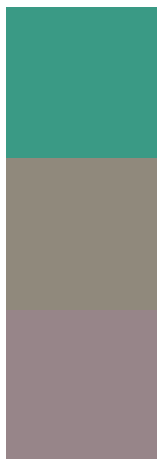


This preview shows how white text looks on a background with the Yxy color 25.7042, 0.2524, 0.3700.

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

25.7042, 0.2524, 0.3700

Protanopia

25.2758, 0.3343, 0.3509

Deuteranopia

25.1605, 0.3291, 0.3226



Tritanopia

25.7234, 0.2382, 0.3071

Trichromacy



Original Color

25.7042, 0.2524, 0.3700

Protanomaly

24.6879, 0.2969, 0.3582

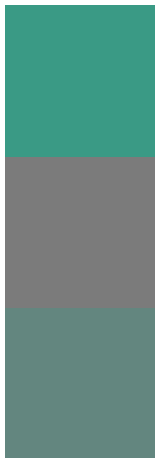
Deuteranomaly

24.6092, 0.2925, 0.3379

Tritanomaly

25.5258, 0.2434, 0.3288

Monochromacy



Original Color

25.7042, 0.2524, 0.3700

Achromatopsia

19.8069, 0.3127, 0.3290

Achromatomaly

21.2351, 0.2823, 0.3425

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7042, 0.2524, 0.3700 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(58, 154, 133)` looks like.

```
.text, #text, p{  
  color:rgb(58, 154, 133)  
}
```

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(58, 154, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 154, 133) }
```

Border

The CSS property to change the border of an element to Yxy 25.7042, 0.2524, 0.3700 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(58, 154, 133) }
```

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

```
.border{ border-color:rgb(58, 154, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 154, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 154, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 154, 133);  
box-shadow:4px 4px 4px 4px rgb(58, 154,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7042, 0.2524, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 154, 133) }
```

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

```
.background{ background-color: rgb(58, 154,  
133) }
```

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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