

Converting Colors

$Y_{xy}(37.3021, 0.2531, 0.3944)$

Have a look what the booklet for
Yxy(37.3021, 0.2531, 0.3944)
contains.

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Color

Yxy(37.1444, 0.2526, 0.3929)

Conversions

Conversions Part 1

Format	Color
Hex	35B893
RGB	53, 184, 147
RGB Percent	21%, 72%, 58%
CMY	0.7916, 0.2785, 0.4235
CMYK	0.71, 0.00, 0.20, 0.28
HSL	163°, 55%, 46%
HSV	163°, 71%, 72%
XYZ	23.8806, 37.1444, 33.5141
YIQ	140.6130, -66.1990, -39.2790

Conversions

Conversions Part 2

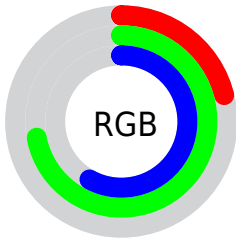
Format	Color
RYB	53, 129, 184
Decimal	3520659
CIELab	67.39, -43.91, 8.73
CIElCh	67, 44.774, 168.756
Yxy	37.1444, 0.2526, 0.3929
Android (android.graphics.Color)	4281710739 (0xFF35B893)
YUV	140.6130, 3.1488, -76.8366
Hunter-Lab	60.9462, -36.7142, 10.0590

Details

The Yxy color **37.1444, 0.2526, 0.3929** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.4898, 0.4822, 0.2841**, and the grayscale version is **26.4998, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.9095, 0.2644, 0.3800**, and **16.8098, 0.2481, 0.4132** is the 20% darker color. If you saturate the color by 10%, you get **36.5783, 0.2503, 0.4035**, and if you desaturate by 10%, it is **37.9124, 0.2568, 0.3824**.

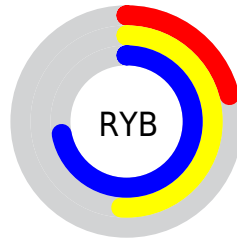
Distribution



Red (21%)

Green (72%)

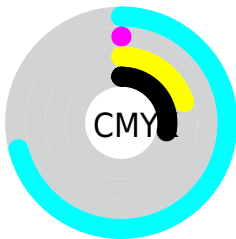
Blue (58%)



Red (21%)

Yellow (51%)

Blue (72%)

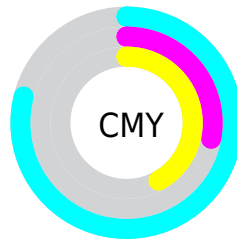


Cyan (71%)

Magenta (0%)

Yellow (20%)

Black (28%)



Cyan (79%)

Magenta (28%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1444, 0.2526, 0.3929 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 37.1444, 0.2526, 0.3929 by changing the saturation by 10% instead.


 37.1444, 0.2526,
0.3929


 37.1444, 0.2526,
0.3929


333.9353, 0.2842,
0.3586


 25.3193, 0.2442,
0.4023


 70.7948, 0.2645,
0.3798


 16.3151, 0.2331,
0.4149


 93.3889, 0.2688,
0.3751

 9.7474, 0.2179,
0.4327


 120.3415, 0.2724,
0.3712

 5.2318, 0.1957,
0.4595

 152.0370, 0.2755,
0.3679

 2.3839, 0.1602,
0.5044

 188.8597, 0.2781,
0.3650

 0.8176, 0.0000,
0.7450

231.1940, 0.2804,

 0.0000, 0.0000,

0.3626

0.0000

279.4244, 0.2824,
0.3605

■ 37.1444, 0.2526,
0.3929

■ 37.1444, 0.2526,
0.3929

■ 36.5783, 0.2503,
0.4035

■ 37.9124, 0.2568,
0.3824

■ 36.1862, 0.2500,
0.4141

■ 38.8975, 0.2629,
0.3722

■ 35.9436, 0.2510,
0.4235

■ 40.1185, 0.2705,
0.3624

■ 41.5908, 0.2795,
0.3532

■ 43.3287, 0.2895,
0.3447

■ 45.3453, 0.3002,
0.3369

■ 47.6526, 0.3114,
0.3297

■ 50.2623, 0.3229,
0.3234

■ 53.1852, 0.3344,
0.3177

Harmonies

Analogous

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



37.1444, 0.3139, 0.4436



37.1444, 0.2526, 0.3929



37.1444, 0.2103, 0.3224

Triad

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



37.1444, 0.2526, 0.3929



37.1444, 0.2412, 0.2256



37.1444, 0.4472, 0.3713

Complementary

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



37.1444, 0.2526, 0.3929



13.4898, 0.4822, 0.2841

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.



37.1444, 0.4255, 0.3204



37.1444, 0.2526, 0.3929



37.1444, 0.2996, 0.2410

Square

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



37.1444, 0.2526, 0.3929



37.1444, 0.2051, 0.2323



37.1444, 0.3687, 0.2745



37.1444, 0.4281, 0.4191

Rectangle

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



37.1444, 0.2526, 0.3929



37.1444, 0.1966, 0.2811



37.1444, 0.3687, 0.2745



37.1444, 0.4446, 0.3542

Sweetspot

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



37.1459, 0.2526, 0.3929



78.4708, 0.2892, 0.3449



36.7215, 0.3236, 0.5396



16.7210, 0.2864, 0.3472



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



37.1459, 0.2526, 0.3929



65.8993, 0.2499, 0.4092



27.8788, 0.2209, 0.2805



10.1662, 0.3022, 0.3355



24.7865, 0.2506, 0.4222



0.8838, 0.2431, 0.3951

Inverse Universe

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



13.4898, 0.4822, 0.2841



20.5321, 0.5386, 0.2875



16.4070, 0.5184, 0.3636



9.0529, 0.3245, 0.3226



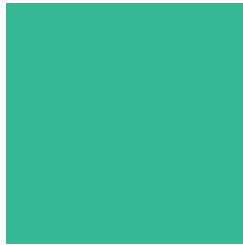
7.2048, 0.5790, 0.2964



0.2650, 0.5036, 0.2548

Previews

White Background



This preview shows how the Yxy color 37.1444, 0.2526, 0.3929 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 37.1444, 0.2526, 0.3929 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 ✓ Pass

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

Yxy 37.1444, 0.2526, 0.3929

Background



This preview shows how black text looks on a background with the Yxy color 37.1444, 0.2526, 0.3929.

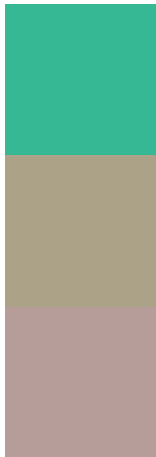


This preview shows how white text looks on a background with the Yxy color 37.1444, 0.2526, 0.3929.

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

37.1444, 0.2526, 0.3929

Protanopia

36.3889, 0.3463, 0.3666

Deuteranopia

36.3589, 0.3414, 0.3346



Tritanopia

37.1424, 0.2341, 0.3069

Trichromacy



Original Color

37.1444, 0.2526, 0.3929



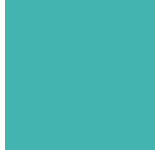
Protanomaly

35.3100, 0.3008, 0.3772



Deuteranomaly

35.0227, 0.2972, 0.3541



Tritanomaly

36.9704, 0.2401, 0.3353

Monochromacy



Original Color

37.1444, 0.2526, 0.3929



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

29.3483, 0.2807, 0.3532

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1444, 0.2526, 0.3929 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(53, 184, 147)` looks like.

```
.text, #text, p{  
    color:rgb(53, 184, 147)  
}
```

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(53, 184, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(53, 184, 147) }
```

Border

The CSS property to change the border of an element to Yxy 37.1444, 0.2526, 0.3929 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(53, 184, 147) }
```

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

```
.border{ border-color:rgb(53, 184, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(53, 184, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(53, 184, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(53, 184, 147);  
box-shadow:4px 4px 4px 4px rgb(53, 184,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1444, 0.2526, 0.3929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(53, 184, 147) }
```

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

```
.background{ background-color: rgb(53, 184,  
147) }
```

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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