

Converting Colors

$Y_{xy}(37.1676, 0.2570, 0.4200)$

Have a look what the booklet for
Yxy(37.1676, 0.2570, 0.4200)
contains.

Yxy(37.3313, 0.2572, 0.4208)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3313, 0.2572, 0.4208)

Conversions

Conversions Part 1

Format	Color
Hex	2ABA86
RGB	42, 186, 134
RGB Percent	16%, 73%, 53%
CMY	0.8354, 0.2706, 0.4744
CMYK	0.77, 0.00, 0.28, 0.27
HSL	158°, 63%, 45%
HSV	158°, 77%, 73%
XYZ	22.8175, 37.3313, 28.5663
YIQ	137.0160, -69.1320, -46.7000

Conversions

Conversions Part 2

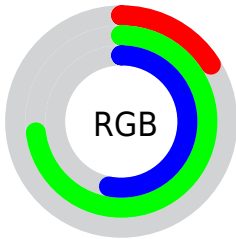
Format	Color
RYB	42, 130, 186
Decimal	2800262
CIELab	67.52, -49.27, 15.97
CIELCh	68, 51.794, 162.037
Yxy	37.3313, 0.2572, 0.4208
Android (android.graphics.Color)	4280990342 (0xFF2ABA86)
YUV	137.0160, -1.4869, -83.3290
Hunter-Lab	61.0993, -40.2631, 15.0492

Details

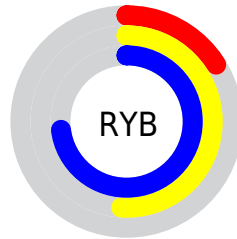
The Yxy color **37.3313, 0.2572, 0.4208** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.9016, 0.4827, 0.2696**, and the grayscale version is **25.0474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0040, 0.2686, 0.4019**, and **17.1426, 0.2581, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **36.8461, 0.2568, 0.4347**, and if you desaturate by 10%, it is **38.0132, 0.2596, 0.4069**.

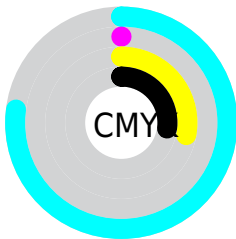
Distribution



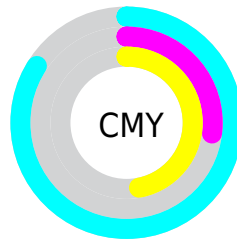
- Red (16%)
- Green (73%)
- Blue (53%)



- Red (16%)
- Yellow (51%)
- Blue (73%)



- Cyan (77%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)





- Cyan (84%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3313, 0.2572, 0.4208 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 37.3313, 0.2572, 0.4208 by changing the saturation by 10% instead.


 37.3313, 0.2572,
0.4208


 37.3313, 0.2572,
0.4208


334.7427, 0.2871,
0.3706

 25.4641, 0.2490,
0.4349


 71.0820, 0.2686,
0.4014

 16.4232, 0.2380,
0.4540


 93.7344, 0.2727,
0.3945


 9.8241, 0.2225,
0.4812


 120.7505, 0.2762,
0.3888

 5.2825, 0.1993,
0.5230

 152.5149, 0.2790,
0.3840

 2.4139, 0.1583,
0.5959

 189.4119, 0.2815,
0.3799

 0.8330, 0.0000,
1.0000

231.8260, 0.2836,

 0.0000, 0.0000,

0.3764

0.0000

280.1414, 0.2855,
0.3733

■ 37.3313, 0.2572,
0.4208

■ 37.3313, 0.2572,
0.4208

■ 36.8461, 0.2568,
0.4347

■ 38.0132, 0.2596,
0.4069

■ 36.5205, 0.2583,
0.4483

■ 38.9099, 0.2638,
0.3933

■ 36.4478, 0.2588,
0.4518

■ 40.0422, 0.2698,
0.3801

■ 41.4272, 0.2772,
0.3677

■ 43.0804, 0.2858,
0.3560

■ 45.0161, 0.2952,
0.3453

■ 47.2474, 0.3051,
0.3356

■ 49.7866, 0.3154,
0.3268

■ 52.6454, 0.3257,
0.3190

Harmonies

Analogous

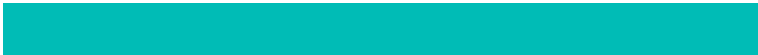
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.3313, 0.3293, 0.4695



37.3313, 0.2572, 0.4208



37.3313, 0.2040, 0.3383

Triad

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



37.3313, 0.2572, 0.4208



37.3313, 0.2197, 0.2115



37.3313, 0.4661, 0.3616

Complementary

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



37.3313, 0.2572, 0.4208



12.9016, 0.4827, 0.2696

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.



37.3313, 0.4311, 0.3056



37.3313, 0.2572, 0.4208



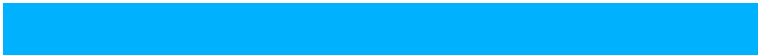
37.3313, 0.2803, 0.2238

Square

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



37.3313, 0.2572, 0.4208



37.3313, 0.1859, 0.2241



37.3313, 0.3591, 0.2571



37.3313, 0.4525, 0.4179

Rectangle

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



37.3313, 0.2572, 0.4208



37.3313, 0.1848, 0.2872



37.3313, 0.3591, 0.2571



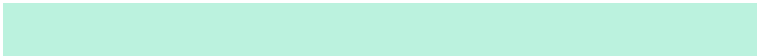
37.3313, 0.4598, 0.3425

Sweetspot

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



37.3328, 0.2572, 0.4208



79.4406, 0.2895, 0.3516



37.7077, 0.3303, 0.5492



17.2249, 0.2862, 0.3556



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



37.3328, 0.2572, 0.4208



66.3431, 0.2578, 0.4444



31.6014, 0.2216, 0.2967



10.1541, 0.3032, 0.3374



24.5349, 0.2583, 0.4500



0.8763, 0.2486, 0.4149

Inverse Universe

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



12.9016, 0.4827, 0.2696



20.2080, 0.5375, 0.2776



13.9638, 0.5584, 0.3489



9.0644, 0.3233, 0.3208



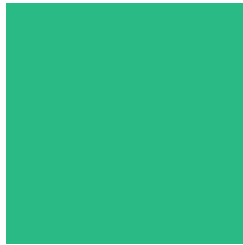
7.3100, 0.5502, 0.2805



0.2698, 0.4783, 0.2409

Previews

White Background



This preview shows how the Yxy color 37.3313, 0.2572, 0.4208 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 37.3313, 0.2572, 0.4208 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 37.3313, 0.2572, 0.4208

Background



This preview shows how black text looks on a background with the Yxy color 37.3313, 0.2572, 0.4208.

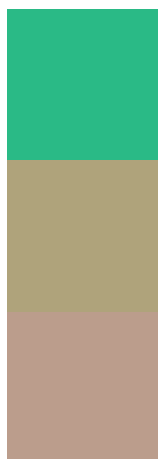


This preview shows how white text looks on a background with the Yxy color 37.3313, 0.2572, 0.4208.

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

37.3313, 0.2572, 0.4208

Protanopia

36.7384, 0.3612, 0.3863

Deuteranopia

36.5722, 0.3593, 0.3525



Tritanopia

37.0688, 0.2324, 0.3053

Trichromacy



Original Color

37.3313, 0.2572, 0.4208



Protanomaly

35.1702, 0.3093, 0.4008



Deuteranomaly

34.9086, 0.3069, 0.3769



Tritanomaly

37.0184, 0.2404, 0.3436

Monochromacy



Original Color

37.3313, 0.2572, 0.4208



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.0450, 0.2802, 0.3630

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3313, 0.2572, 0.4208 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(42, 186, 134)` looks like.

```
.text, #text, p{  
    color:rgb(42, 186, 134)  
}
```

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(42, 186, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(42, 186, 134) }
```

Border

The CSS property to change the border of an element to Yxy 37.3313, 0.2572, 0.4208 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(42, 186, 134) }
```

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

```
.border{ border-color:rgb(42, 186, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(42, 186, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(42, 186, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(42, 186, 134);  
box-shadow:4px 4px 4px 4px rgb(42, 186,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3313, 0.2572, 0.4208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(42, 186, 134) }
```

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

```
.background{ background-color: rgb(42, 186,  
134) }
```

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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