

Converting Colors

$Yxy(37.1228, 0.2582, 0.4288)$

Have a look what the booklet for
Yxy(37.1228, 0.2582, 0.4288)
contains.

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Color

Yxy(37.1228, 0.2582, 0.4288)

Conversions

Conversions Part 1

Format	Color
Hex	25BA82
RGB	37, 186, 130
RGB Percent	15%, 73%, 51%
CMY	0.8544, 0.2706, 0.4903
CMYK	0.80, 0.00, 0.30, 0.27
HSL	157°, 67%, 44%
HSV	157°, 80%, 73%
XYZ	22.3533, 37.1228, 27.0976
YIQ	135.0650, -70.8280, -49.0040

Conversions

Conversions Part 2

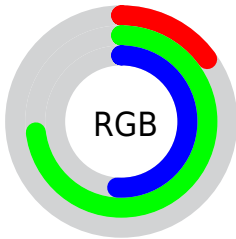
Format	Color
RYB	37, 129, 186
Decimal	2472578
CIELab	67.37, -50.72, 17.94
CIELCh	67, 53.798, 160.523
Yxy	37.1228, 0.2582, 0.4288
Android (android.graphics.Color)	4280662658 (0xFF25BA82)
YUV	135.0650, -2.4970, -86.0030
Hunter-Lab	60.9285, -41.1371, 16.2811

Details

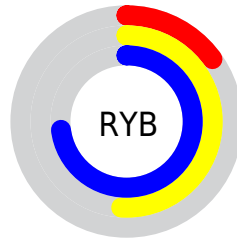
The Yxy color **37.1228, 0.2582, 0.4288** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **12.5640, 0.4864, 0.2669**, and the grayscale version is **24.2978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7082, 0.2697, 0.4076**, and **17.0817, 0.2610, 0.4597** is the 20% darker color. If you saturate the color by 10%, you get **36.6806, 0.2585, 0.4432**, and if you desaturate by 10%, it is **37.7560, 0.2599, 0.4143**.

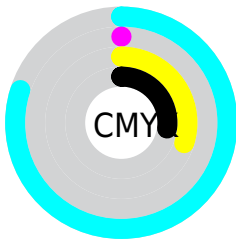
Distribution



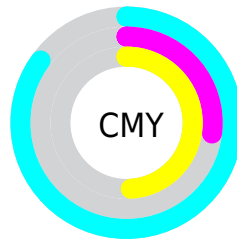
- Red (15%)
- Green (73%)
- Blue (51%)



- Red (15%)
- Yellow (51%)
- Blue (73%)



- Cyan (80%)
- Magenta (0%)
- Yellow (30%)
- Black (27%)




- Cyan (85%)
- Magenta (27%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1228, 0.2582, 0.4288 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 37.1228, 0.2582, 0.4288 by changing the saturation by 10% instead.


 37.1228, 0.2582,
0.4288


 37.1228, 0.2582,
0.4288


333.8419, 0.2879,
0.3740


 25.3026, 0.2499,
0.4443


 70.7616, 0.2696,
0.4076


 16.3026, 0.2388,
0.4653


 93.3490, 0.2737,
0.4000


 9.7386, 0.2231,
0.4955


 120.2942, 0.2771,
0.3938

 5.2260, 0.1992,
0.5417

 151.9817, 0.2799,
0.3885

 2.3804, 0.1547,
0.6249

 188.7958, 0.2823,
0.3841

 0.8158, 0.0000,
1.0000

231.1209, 0.2844,

 0.0000, 0.0000,

0.3802

0.0000

279.3415, 0.2863,
0.3769

■ 37.1228, 0.2582,
0.4288

■ 37.1228, 0.2582,
0.4288

■ 36.6806, 0.2585,
0.4432

■ 37.7560, 0.2599,
0.4143

■ 36.3782, 0.2604,
0.4573

■ 38.5995, 0.2636,
0.3999

■ 39.6749, 0.2690,
0.3860

■ 40.9997, 0.2759,
0.3727

■ 42.5899, 0.2840,
0.3603

■ 44.4599, 0.2931,
0.3489

■ 46.6234, 0.3027,
0.3384

■ 49.0928, 0.3127,
0.3290

■ 51.8800, 0.3228,
0.3206

Harmonies

Analogous

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



37.1228, 0.3333, 0.4766



37.1228, 0.2582, 0.4288



37.1228, 0.2021, 0.3428

Triad

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



37.1228, 0.2582, 0.4288



37.1228, 0.2139, 0.2076



37.1228, 0.4715, 0.3590

Complementary

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



37.1228, 0.2582, 0.4288



12.5640, 0.4864, 0.2669

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.



37.1228, 0.4328, 0.3016



37.1228, 0.2582, 0.4288



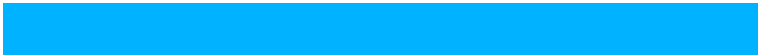
37.1228, 0.2752, 0.2191

Square

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



37.1228, 0.2582, 0.4288



37.1228, 0.1807, 0.2217



37.1228, 0.3565, 0.2524



37.1228, 0.4593, 0.4175

Rectangle

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



37.1228, 0.2582, 0.4288



37.1228, 0.1814, 0.2887



37.1228, 0.3565, 0.2524



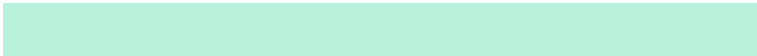
37.1228, 0.4642, 0.3394

Sweetspot

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



37.1243, 0.2582, 0.4288



79.0440, 0.2890, 0.3537



37.6421, 0.3313, 0.5534



17.1441, 0.2858, 0.3579



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.



37.1243, 0.2582, 0.4288



66.0731, 0.2600, 0.4539



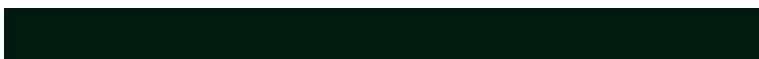
32.1802, 0.2213, 0.2998



10.1518, 0.3034, 0.3377



24.4894, 0.2599, 0.4555



0.8749, 0.2497, 0.4189

Inverse Universe

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



12.5640, 0.4864, 0.2669



19.9989, 0.5403, 0.2772



13.2591, 0.5718, 0.3457



9.0666, 0.3230, 0.3204



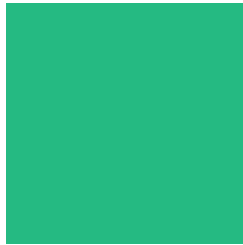
7.3341, 0.5441, 0.2771



0.2707, 0.4737, 0.2383

Previews

White Background



This preview shows how the Yxy color 37.1228, 0.2582, 0.4288 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 37.1228, 0.2582, 0.4288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

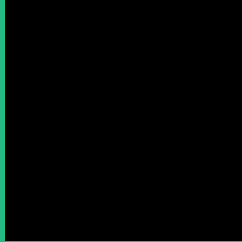
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1228, 0.2582, 0.4288

Background



This preview shows how black text looks on a background with the Yxy color 37.1228, 0.2582, 0.4288.

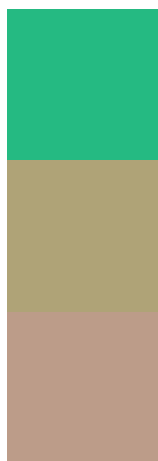


This preview shows how white text looks on a background with the Yxy color 37.1228, 0.2582, 0.4288.

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

37.1228, 0.2582, 0.4288

Protanopia

36.6403, 0.3649, 0.3920

Deuteranopia

36.2744, 0.3637, 0.3552



Tritanopia

36.9862, 0.2325, 0.3068

Trichromacy



Original Color

37.1228, 0.2582, 0.4288



Protanomaly

34.9159, 0.3107, 0.4080



Deuteranomaly

34.3452, 0.3093, 0.3822



Tritanomaly

36.8421, 0.2413, 0.3488

Monochromacy



Original Color

37.1228, 0.2582, 0.4288



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.4573, 0.2800, 0.3672

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1228, 0.2582, 0.4288 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(37, 186, 130)` looks like.

```
.text, #text, p{  
    color:rgb(37, 186, 130)  
}
```

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(37, 186, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 186, 130) }
```

Border

The CSS property to change the border of an element to Yxy 37.1228, 0.2582, 0.4288 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(37, 186, 130) }
```

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

```
.border{ border-color:rgb(37, 186, 130) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 186, 130)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 186, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 186, 130);  
box-shadow:4px 4px 4px 4px rgb(37, 186,  
130) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1228, 0.2582, 0.4288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 186, 130) }
```

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

```
.background{ background-color: rgb(37, 186,  
130) }
```

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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