

Converting Colors

$Y_{xy}(37.1060, 0.2743, 0.4364)$

Have a look what the booklet for
Yxy(37.1060, 0.2743, 0.4364)
contains.

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Color

Yxy(37.0506, 0.2742, 0.4358)

Conversions

Conversions Part 1

Format	Color
Hex	47B87B
RGB	71, 184, 123
RGB Percent	28%, 72%, 48%
CMY	0.7217, 0.2784, 0.5177
CMYK	0.61, 0.00, 0.33, 0.28
HSL	148°, 44%, 50%
HSV	148°, 61%, 72%
XYZ	23.3118, 37.0506, 24.6551
YIQ	143.2590, -47.7670, -42.9270

Conversions

Conversions Part 2

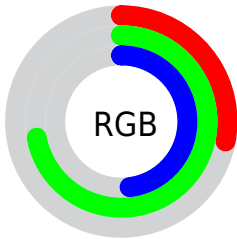
Format	Color
RYB	71, 148, 184
Decimal	4700283
CIELab	67.31, -46.14, 21.74
CIElCh	67, 51.004, 154.766
Yxy	37.0506, 0.2742, 0.4358
Android (android.graphics.Color)	4282890363 (0xFF47B87B)
YUV	143.2590, -9.9877, -63.3711
Hunter-Lab	60.8692, -38.1589, 18.5930

Details

The Yxy color **37.0506, 0.2742, 0.4358** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **16.3608, 0.3958, 0.2473**, and the grayscale version is **27.6297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7910, 0.2828, 0.4128**, and **16.4597, 0.2645, 0.4723** is the 20% darker color. If you saturate the color by 10%, you get **36.2225, 0.2721, 0.4569**, and if you desaturate by 10%, it is **38.1175, 0.2780, 0.4152**.

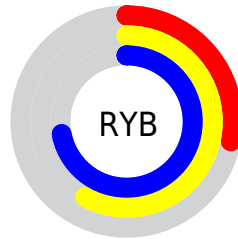
Distribution



Red (28%)

Green (72%)

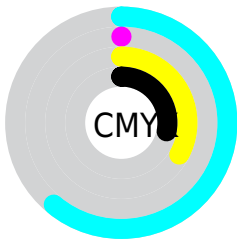
Blue (48%)



Red (28%)

Yellow (58%)

Blue (72%)

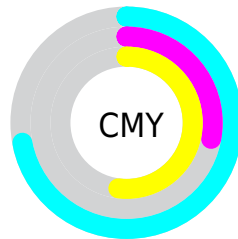


Cyan (61%)

Magenta (0%)

Yellow (33%)

Black (28%)



Cyan (72%)


Magenta (28%)


Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.0506, 0.2742, 0.4358 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 37.0506, 0.2742, 0.4358 by changing the saturation by 10% instead.


 37.0506, 0.2742,
0.4358


 37.0506, 0.2742,
0.4358


333.5295, 0.2959,
0.3769


 25.2467, 0.2679,
0.4525


 70.6506, 0.2827,
0.4130


 16.2609, 0.2591,
0.4752


 93.2155, 0.2857,
0.4049

 9.7090, 0.2463,
0.5077


 120.1361, 0.2882,
0.3982

 5.2064, 0.2262,
0.5576

 151.7969, 0.2902,
0.3925

 2.3689, 0.1916,
0.6523

 188.5822, 0.2920,
0.3878

 0.8098, 0.0000,
1.0000

230.8765, 0.2935,

 0.0000, 0.0000,

0.3836

0.0000

279.0642, 0.2948,
0.3801

■ 37.0506, 0.2742,
0.4358

■ 37.0506, 0.2742,
0.4358

■ 36.2225, 0.2721,
0.4569

■ 38.1175, 0.2780,
0.4152

■ 35.6084, 0.2718,
0.4777

■ 39.4367, 0.2832,
0.3954

■ 35.1854, 0.2735,
0.4977

■ 41.0259, 0.2895,
0.3770

■ 34.9343, 0.2761,
0.5139

■ 42.8997, 0.2965,
0.3600

■ 45.0720, 0.3039,
0.3446

■ 47.5555, 0.3116,
0.3308

■ 50.3622, 0.3193,
0.3186

■ 53.5034, 0.3269,
0.3078

■ 56.9900, 0.3343,
0.2983

Harmonies

Analogous

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



37.0506, 0.3472, 0.4707



37.0506, 0.2742, 0.4358



37.0506, 0.2156, 0.3585

Triad

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



37.0506, 0.2742, 0.4358



37.0506, 0.2101, 0.2134



37.0506, 0.4602, 0.3477

Complementary

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



37.0506, 0.2742, 0.4358



16.3608, 0.3958, 0.2473

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.



37.0506, 0.4147, 0.2933



37.0506, 0.2742, 0.4358



37.0506, 0.2640, 0.2199

Square

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



37.0506, 0.2742, 0.4358



37.0506, 0.1833, 0.2326



37.0506, 0.3391, 0.2483



37.0506, 0.4582, 0.4041

Rectangle

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



37.0506, 0.2742, 0.4358



37.0506, 0.1916, 0.3050



37.0506, 0.3391, 0.2483



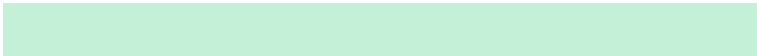
37.0506, 0.4500, 0.3290

Sweetspot

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



37.0521, 0.2742, 0.4358



78.9327, 0.2988, 0.3550



39.7366, 0.3503, 0.4976



16.7819, 0.2966, 0.3596



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.



37.0521, 0.2742, 0.4358



65.1898, 0.2717, 0.4649



38.8511, 0.2418, 0.3378



10.1270, 0.3055, 0.3416



24.0884, 0.2755, 0.5116



0.8617, 0.2615, 0.4612

Inverse Universe

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



16.3608, 0.3958, 0.2473



24.4249, 0.4249, 0.2372



15.2254, 0.4943, 0.3223



9.0911, 0.3206, 0.3167



7.6629, 0.4765, 0.2399



0.2825, 0.4261, 0.2121

Previews

White Background



This preview shows how the Yxy color 37.0506, 0.2742, 0.4358 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 37.0506, 0.2742, 0.4358 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 37.0506, 0.2742, 0.4358

Background



This preview shows how black text looks on a background with the Yxy color 37.0506, 0.2742, 0.4358.



This preview shows how white text looks on a background with the Yxy color 37.0506, 0.2742, 0.4358.

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

37.0506, 0.2742, 0.4358

Protanopia

36.6394, 0.3705, 0.3988

Deuteranopia

36.3091, 0.3738, 0.3660



Tritanopia

37.0437, 0.2424, 0.3072

Trichromacy



Original Color

37.0506, 0.2742, 0.4358



Protanomaly

35.8134, 0.3273, 0.4149



Deuteranomaly

35.0078, 0.3285, 0.3899



Tritanomaly

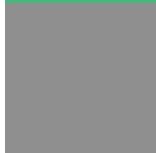
36.8782, 0.2531, 0.3501

Monochromacy



Original Color

37.0506, 0.2742, 0.4358



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

30.0132, 0.2933, 0.3667

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0506, 0.2742, 0.4358 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(71, 184, 123)` looks like.

```
.text, #text, p{  
  color:rgb(71, 184, 123)  
}
```

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(71, 184, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 184, 123) }
```

Border

The CSS property to change the border of an element to Yxy 37.0506, 0.2742, 0.4358 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(71, 184, 123) }
```

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

```
.border{ border-color:rgb(71, 184, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 184, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 184, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 184, 123);  
box-shadow:4px 4px 4px 4px rgb(71, 184,  
123) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0506, 0.2742, 0.4358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 184, 123) }
```

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

```
.background{ background-color: rgb(71, 184,  
123) }
```

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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