

Converting Colors

$Y_{xy}(37.6238, 0.2758, 0.4320)$

Have a look what the booklet for
Yxy(37.6238, 0.2758, 0.4320)
contains.

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Color

Yxy(37.7151, 0.2757, 0.4327)

Conversions

Conversions Part 1

Format	Color
Hex	4CB97D
RGB	76, 185, 125
RGB Percent	30%, 73%, 49%
CMY	0.7020, 0.2745, 0.5098
CMYK	0.59, 0.00, 0.32, 0.27
HSL	147°, 44%, 51%
HSV	147°, 59%, 73%
XYZ	24.0306, 37.7151, 25.4165
YIQ	145.5690, -45.7040, -41.7680

Conversions

Conversions Part 2

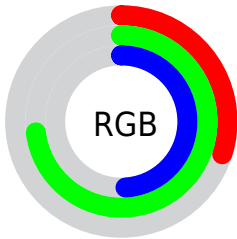
Format	Color
RYB	76, 151, 185
Decimal	5028221
CIELab	67.81, -45.09, 21.36
CIELCh	68, 49.889, 154.655
Yxy	37.7151, 0.2757, 0.4327
Android (android.graphics.Color)	4283218301 (0xFF4CB97D)
YUV	145.5690, -10.1405, -61.0120
Hunter-Lab	61.4126, -37.6254, 18.4508

Details

The Yxy color **37.7151, 0.2757, 0.4327** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **17.2596, 0.3891, 0.2484**, and the grayscale version is **28.6150, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.7869, 0.2839, 0.4108**, and **16.7544, 0.2635, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **36.8178, 0.2732, 0.4541**, and if you desaturate by 10%, it is **38.8600, 0.2798, 0.4118**.

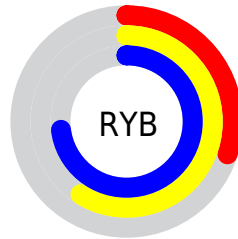
Distribution



Red (30%)

Green (73%)

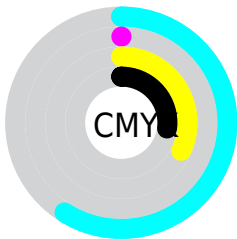
Blue (49%)



Red (30%)

Yellow (59%)

Blue (73%)

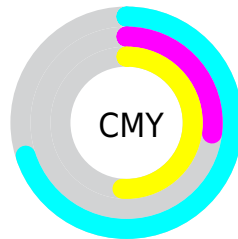


Cyan (59%)

Magenta (0%)

Yellow (32%)

Black (27%)



Cyan (70%)


Magenta (27%)


Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.7151, 0.2757, 0.4327 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 37.7151, 0.2757, 0.4327 by changing the saturation by 10% instead.


 37.7151, 0.2757,
0.4327


 37.7151, 0.2757,
0.4327


336.3962, 0.2965,
0.3758


 25.7616, 0.2697,
0.4487


 71.6713, 0.2838,
0.4107


 16.6454, 0.2614,
0.4705


 94.4427, 0.2867,
0.4028


 9.9820, 0.2493,
0.5016


 121.5890, 0.2891,
0.3964

 5.3870, 0.2302,
0.5491

 153.4945, 0.2910,
0.3909

 2.4761, 0.1981,
0.6344

 190.5436, 0.2927,
0.3863

 0.8646, 0.0000,
1.0000

233.1206, 0.2941,

 0.0000, 0.0000,

0.3823

0.0000

281.6100, 0.2954,
0.3788

■ 37.7151, 0.2757,
0.4327

■ 37.7151, 0.2757,
0.4327

■ 36.8178, 0.2732,
0.4541

■ 38.8600, 0.2798,
0.4118

■ 36.1434, 0.2726,
0.4755

■ 40.2656, 0.2852,
0.3920

■ 35.6700, 0.2738,
0.4961

■ 41.9495, 0.2916,
0.3735

■ 35.3570, 0.2767,
0.5153

■ 43.9264, 0.2986,
0.3565

■ 35.3271, 0.2770,
0.5173

■ 46.2100, 0.3060,
0.3413

■ 48.8130, 0.3135,
0.3276

■ 51.7475, 0.3211,
0.3155

■ 55.0248, 0.3285,
0.3049

■ 58.6558, 0.3356,
0.2955

Harmonies

Analogous

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



37.7151, 0.3470, 0.4666



37.7151, 0.2757, 0.4327



37.7151, 0.2183, 0.3581

Triad

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



37.7151, 0.2757, 0.4327



37.7151, 0.2124, 0.2161



37.7151, 0.4561, 0.3475

Complementary

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



37.7151, 0.2757, 0.4327



17.2596, 0.3891, 0.2484

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.



37.7151, 0.4117, 0.2942



37.7151, 0.2757, 0.4327



37.7151, 0.2651, 0.2224

Square

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



37.7151, 0.2757, 0.4327



37.7151, 0.1862, 0.2353



37.7151, 0.3382, 0.2501



37.7151, 0.4546, 0.4026

Rectangle

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



37.7151, 0.2757, 0.4327



37.7151, 0.1946, 0.3062



37.7151, 0.3382, 0.2501



37.7151, 0.4461, 0.3292

Sweetspot

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



37.7166, 0.2757, 0.4327



78.9093, 0.2990, 0.3555



40.6046, 0.3512, 0.4902



16.7762, 0.2969, 0.3602



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.



37.7166, 0.2757, 0.4327



65.5041, 0.2728, 0.4611



39.4396, 0.2446, 0.3404



10.1254, 0.3057, 0.3419



24.0676, 0.2764, 0.5150



0.8609, 0.2622, 0.4639

Inverse Universe

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



17.2596, 0.3891, 0.2484



25.4432, 0.4156, 0.2370



16.1109, 0.4799, 0.3200



9.0927, 0.3204, 0.3165



7.6887, 0.4722, 0.2375



0.2833, 0.4232, 0.2105

Previews

White Background



This preview shows how the Yxy color 37.7151, 0.2757, 0.4327 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 37.7151, 0.2757, 0.4327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

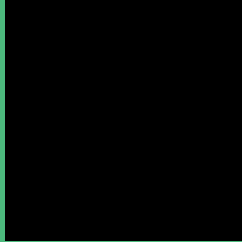
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.7151, 0.2757, 0.4327

Background



This preview shows how black text looks on a background with the Yxy color 37.7151, 0.2757, 0.4327.



This preview shows how white text looks on a background with the Yxy color 37.7151, 0.2757, 0.4327.

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

37.7151, 0.2757, 0.4327

Protanopia

37.1590, 0.3693, 0.3970

Deuteranopia

37.1688, 0.3720, 0.3657



Tritanopia

37.6927, 0.2442, 0.3074

Trichromacy



Original Color

37.7151, 0.2757, 0.4327



Protanomaly

36.4124, 0.3274, 0.4125



Deuteranomaly

35.9798, 0.3284, 0.3892



Tritanomaly

37.5564, 0.2554, 0.3499

Monochromacy



Original Color

37.7151, 0.2757, 0.4327



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

31.0415, 0.2953, 0.3660

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.7151, 0.2757, 0.4327 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(76, 185, 125)` looks like.

```
.text, #text, p{  
    color:rgb(76, 185, 125)  
}
```

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(76, 185, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 185, 125) }
```

Border

The CSS property to change the border of an element to Yxy 37.7151, 0.2757, 0.4327 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(76, 185, 125) }
```

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

```
.border{ border-color:rgb(76, 185, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 185, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 185, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 185, 125);  
box-shadow:4px 4px 4px 4px rgb(76, 185,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 37.7151, 0.2757, 0.4327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 185, 125) }
```

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

```
.background{ background-color: rgb(76, 185,  
125) }
```

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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