

Converting Colors

$Yxy(37.9513, 0.2666, 0.4476)$

Have a look what the booklet for
Yxy(37.9513, 0.2666, 0.4476)
contains.

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Color

Yxy(37.9513, 0.2666, 0.4476)

Conversions

Conversions Part 1

Format	Color
Hex	2FBC79
RGB	47, 188, 121
RGB Percent	18%, 74%, 47%
CMY	0.8161, 0.2627, 0.5254
CMYK	0.75, 0.00, 0.36, 0.26
HSL	152°, 60%, 46%
HSV	152°, 75%, 74%
XYZ	22.6046, 37.9513, 24.2325
YIQ	138.2030, -62.5290, -50.7290

Conversions

Conversions Part 2

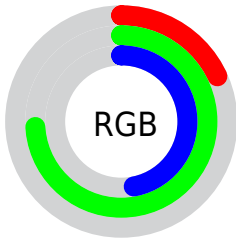
Format	Color
RYB	47, 139, 188
Decimal	3128441
CIELab	67.98, -52.22, 23.60
CIELCh	68, 57.306, 155.681
Yxy	37.9513, 0.2666, 0.4476
Android (android.graphics.Color)	4281318521 (0xFF2FBC79)
YUV	138.2030, -8.4811, -79.9850
Hunter-Lab	61.6046, -42.3111, 19.8012

Details

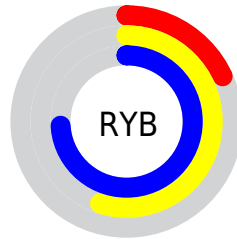
The Yxy color **37.9513, 0.2666, 0.4476** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.9294, 0.4427, 0.2488**, and the grayscale version is **25.5388, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.9382, 0.2768, 0.4217**, and **17.2429, 0.2673, 0.4822** is the 20% darker color. If you saturate the color by 10%, you get **37.3902, 0.2667, 0.4660**, and if you desaturate by 10%, it is **38.7280, 0.2685, 0.4290**.

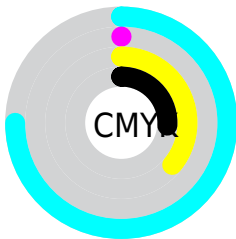
Distribution



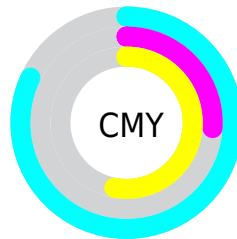
- Red (18%)
- Green (74%)
- Blue (47%)



- Red (18%)
- Yellow (55%)
- Blue (74%)



- Cyan (75%)
- Magenta (0%)
- Yellow (36%)
- Black (26%)





- Cyan (82%)
- Magenta (26%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9513, 0.2666, 0.4476 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 37.9513, 0.2666, 0.4476 by changing the saturation by 10% instead.


 37.9513, 0.2666,
0.4476


 37.9513, 0.2666,
0.4476


337.4110, 0.2925,
0.3821


 25.9449, 0.2591,
0.4661

 72.0335, 0.2767,
0.4222


 16.7824, 0.2488,
0.4913


 94.8781, 0.2803,
0.4132

 10.0795, 0.2338,
0.5273


 122.1041, 0.2833,
0.4057

 5.4517, 0.2105,
0.5823

 154.0961, 0.2857,
0.3995

 2.5146, 0.1692,
0.6889

 191.2384, 0.2878,
0.3942

 0.8840, 0.0000,
1.0000

233.9154, 0.2896,

 0.0000, 0.0000,

0.3896

0.0000

282.5115, 0.2911,
0.3856

■ 37.9513, 0.2666,
0.4476

■ 37.9513, 0.2666,
0.4476

■ 37.3902, 0.2667,
0.4660

■ 38.7280, 0.2685,
0.4290

■ 37.0126, 0.2687,
0.4837

■ 39.7382, 0.2723,
0.4108

■ 36.8661, 0.2701,
0.4923

■ 41.0029, 0.2776,
0.3932

■ 42.5397, 0.2842,
0.3767

■ 44.3642, 0.2917,
0.3614

■ 46.4911, 0.2998,
0.3474

■ 48.9340, 0.3083,
0.3349

■ 51.7057, 0.3170,
0.3236

■ 54.8180, 0.3256,
0.3136

Harmonies

Analogous

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



37.9513, 0.3466, 0.4876



37.9513, 0.2666, 0.4476



37.9513, 0.2037, 0.3584

Triad

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



37.9513, 0.2666, 0.4476



37.9513, 0.2014, 0.2023



37.9513, 0.4774, 0.3494

Complementary

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



37.9513, 0.2666, 0.4476



13.9294, 0.4427, 0.2488

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.



37.9513, 0.4285, 0.2907



37.9513, 0.2666, 0.4476



37.9513, 0.2607, 0.2105

Square

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



37.9513, 0.2666, 0.4476



37.9513, 0.1718, 0.2213



37.9513, 0.3442, 0.2417



37.9513, 0.4721, 0.4110

Rectangle

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



37.9513, 0.2666, 0.4476



37.9513, 0.1788, 0.2985



37.9513, 0.3442, 0.2417



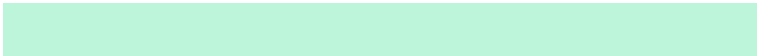
37.9513, 0.4669, 0.3292

Sweetspot

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



37.9528, 0.2666, 0.4476



81.0043, 0.2930, 0.3590



39.8258, 0.3437, 0.5351



17.1418, 0.2902, 0.3643



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.



37.9528, 0.2666, 0.4476



67.2841, 0.2678, 0.4775



39.2060, 0.2299, 0.3250



10.7311, 0.3047, 0.3401



25.1133, 0.2695, 0.4901



0.9968, 0.2577, 0.4478

Inverse Universe

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



13.9294, 0.4427, 0.2488



21.6362, 0.4855, 0.2508



13.1144, 0.5660, 0.3320



9.6097, 0.3216, 0.3182



7.7878, 0.5041, 0.2550



0.3183, 0.4490, 0.2247

Previews

White Background



This preview shows how the Yxy color 37.9513, 0.2666, 0.4476 looks on a white background.

Color Contrast Check

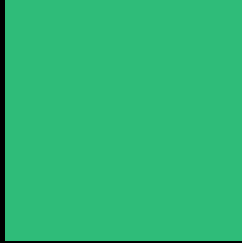
Large Text (above 18pt) WCAG AA × Fail

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 37.9513, 0.2666, 0.4476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

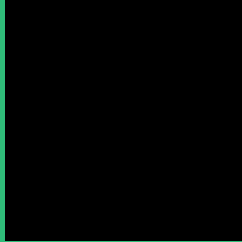
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9513, 0.2666, 0.4476

Background



This preview shows how black text looks on a background with the Yxy color 37.9513, 0.2666, 0.4476.



This preview shows how white text looks on a background with the Yxy color 37.9513, 0.2666, 0.4476.

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

37.9513, 0.2666, 0.4476

Protanopia

37.1636, 0.3748, 0.4037

Deuteranopia

37.2187, 0.3760, 0.3696



Tritanopia

37.7975, 0.2351, 0.3056

Trichromacy



Original Color

37.9513, 0.2666, 0.4476



Protanomaly

35.8708, 0.3212, 0.4229



Deuteranomaly

35.3456, 0.3221, 0.3989



Tritanomaly

37.4392, 0.2457, 0.3536

Monochromacy



Original Color

37.9513, 0.2666, 0.4476



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

28.4461, 0.2860, 0.3719

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9513, 0.2666, 0.4476 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(47, 188, 121)` looks like.

```
.text, #text, p{  
    color:rgb(47, 188, 121)  
}
```

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(47, 188, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 188, 121) }
```

Border

The CSS property to change the border of an element to Yxy 37.9513, 0.2666, 0.4476 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(47, 188, 121) }
```

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

```
.border{ border-color:rgb(47, 188, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 188, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 188, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 188, 121);  
box-shadow:4px 4px 4px 4px rgb(47, 188,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9513, 0.2666, 0.4476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 188, 121) }
```

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

```
.background{ background-color: rgb(47, 188,  
121) }
```

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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