

Converting Colors

$Yxy(33.5347, 0.2763, 0.4372)$

Have a look what the booklet for
Yxy(33.5347, 0.2763, 0.4372)
contains.

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Color

Yxy(33.6137, 0.2764, 0.4382)

Conversions

Conversions Part 1

Format	Color
Hex	46B074
RGB	70, 176, 116
RGB Percent	27%, 69%, 45%
CMY	0.7256, 0.3098, 0.5451
CMYK	0.60, 0.00, 0.34, 0.31
HSL	146°, 43%, 48%
HSV	146°, 60%, 69%
XYZ	21.2023, 33.6137, 21.8926
YIQ	137.4660, -43.9160, -41.1320

Conversions

Conversions Part 2

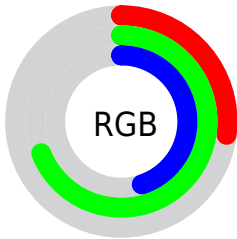
Format	Color
RYB	70, 144, 176
Decimal	4632692
CIELab	64.65, -44.41, 21.89
CIELCh	65, 49.514, 153.760
Yxy	33.6137, 0.2764, 0.4382
Android (android.graphics.Color)	4282822772 (0xFF46B074)
YUV	137.4660, -10.5827, -59.1677
Hunter-Lab	57.9773, -36.1830, 18.1958

Details

The Yxy color **33.6137, 0.2764, 0.4382** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **15.2201, 0.3883, 0.2450**, and the grayscale version is **25.2540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.1296, 0.2851, 0.4143**, and **14.3243, 0.2662, 0.4782** is the 20% darker color. If you saturate the color by 10%, you get **32.8343, 0.2742, 0.4602**, and if you desaturate by 10%, it is **34.6124, 0.2802, 0.4167**.

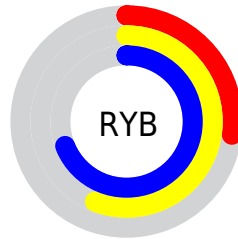
Distribution



Red (27%)

Green (69%)

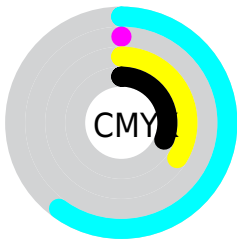
Blue (45%)



Red (27%)

Yellow (56%)

Blue (69%)

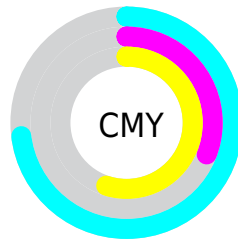


Cyan (60%)

Magenta (0%)

Yellow (34%)

Black (31%)



Cyan (73%)


Magenta (31%)


Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6137, 0.2764, 0.4382 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 33.6137, 0.2764, 0.4382 by changing the saturation by 10% instead.

 33.6137, 0.2764,
0.4382


 33.6137, 0.2764,
0.4382


318.4061, 0.2973,
0.3771

 22.5970, 0.2701,
0.4559


 65.3325, 0.2848,
0.4142


 14.2962, 0.2612,
0.4803


 86.8034, 0.2877,
0.4058

 8.3270, 0.2478,
0.5158


 112.5277, 0.2900,
0.3989

 4.3049, 0.2260,
0.5716

 142.8900, 0.2920,
0.3931

 1.8455, 0.1803,
0.7268

 178.2746, 0.2936,
0.3882

 0.5153, 0.0000,
1.0000

219.0659, 0.2951,

 0.0000, 0.0000,

0.3839

0.0000

265.6483, 0.2963,
0.3803

■ 33.6137, 0.2764,
0.4382

■ 33.6137, 0.2764,
0.4382

■ 32.8343, 0.2742,
0.4602

■ 34.6124, 0.2802,
0.4167

■ 32.2522, 0.2739,
0.4819

■ 35.8424, 0.2853,
0.3962

■ 31.8473, 0.2754,
0.5027

■ 37.3194, 0.2914,
0.3770

■ 31.5800, 0.2782,
0.5216

■ 39.0566, 0.2981,
0.3594

■ 41.0663, 0.3052,
0.3435

■ 43.3599, 0.3125,
0.3293

■ 45.9482, 0.3198,
0.3167

■ 48.8414, 0.3270,
0.3056

■ 52.0493, 0.3339,
0.2959

Harmonies

Analogous

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



33.6137, 0.3497, 0.4712



33.6137, 0.2764, 0.4382



33.6137, 0.2169, 0.3614

Triad

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



33.6137, 0.2764, 0.4382



33.6137, 0.2085, 0.2133



33.6137, 0.4598, 0.3458

Complementary

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



33.6137, 0.2764, 0.4382



15.2201, 0.3883, 0.2450

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.



33.6137, 0.4128, 0.2915



33.6137, 0.2764, 0.4382



33.6137, 0.2617, 0.2191

Square

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



33.6137, 0.2764, 0.4382



33.6137, 0.1826, 0.2335



33.6137, 0.3365, 0.2468



33.6137, 0.4594, 0.4024

Rectangle

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



33.6137, 0.2764, 0.4382



33.6137, 0.1922, 0.3074



33.6137, 0.3365, 0.2468



33.6137, 0.4490, 0.3271

Sweetspot

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



33.6151, 0.2764, 0.4382



71.4933, 0.2995, 0.3562



36.2454, 0.3516, 0.4930



15.2825, 0.2975, 0.3610



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



33.6151, 0.2764, 0.4382



59.1914, 0.2739, 0.4668



35.2164, 0.2438, 0.3406



9.5493, 0.3059, 0.3422



23.1806, 0.2777, 0.5197



0.7412, 0.2620, 0.4632

Inverse Universe

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



15.2201, 0.3883, 0.2450



22.8977, 0.4134, 0.2339



14.1453, 0.4848, 0.3199



8.5831, 0.3202, 0.3162



7.4538, 0.4655, 0.2338



0.2460, 0.4151, 0.2060

Previews

White Background



This preview shows how the Yxy color 33.6137, 0.2764, 0.4382 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 33.6137, 0.2764, 0.4382 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 33.6137, 0.2764, 0.4382

Background



This preview shows how black text looks on a background with the Yxy color 33.6137, 0.2764, 0.4382.



This preview shows how white text looks on a background with the Yxy color 33.6137, 0.2764, 0.4382.

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

33.6137, 0.2764, 0.4382

Protanopia

33.1633, 0.3718, 0.4017

Deuteranopia

32.8451, 0.3754, 0.3675



Tritanopia

33.5151, 0.2440, 0.3079

Trichromacy



Original Color

33.6137, 0.2764, 0.4382



Protanomaly

32.2257, 0.3290, 0.4170



Deuteranomaly

31.8151, 0.3302, 0.3924



Tritanomaly

33.3991, 0.2558, 0.3527

Monochromacy



Original Color

33.6137, 0.2764, 0.4382



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

27.2289, 0.2954, 0.3682

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6137, 0.2764, 0.4382 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(70, 176, 116)` looks like.

```
.text, #text, p{  
    color:rgb(70, 176, 116)  
}
```

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(70, 176, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 176, 116) }
```

Border

The CSS property to change the border of an element to Yxy 33.6137, 0.2764, 0.4382 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(70, 176, 116) }
```

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

```
.border{ border-color:rgb(70, 176, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 176, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 176, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 176, 116);  
box-shadow:4px 4px 4px 4px rgb(70, 176,  
116) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6137, 0.2764, 0.4382 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 176, 116) }
```

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

```
.background{ background-color: rgb(70, 176,  
116) }
```

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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