

Converting Colors

$Yxy(37.3457, 0.2543, 0.3495)$

Have a look what the booklet for
Yxy(37.3457, 0.2543, 0.3495)
contains.

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Color

Yxy(37.4588, 0.2544, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	57B4A7
RGB	87, 180, 167
RGB Percent	34%, 71%, 65%
CMY	0.6587, 0.2941, 0.3452
CMYK	0.52, 0.00, 0.07, 0.29
HSL	172°, 38%, 52%
HSV	172°, 52%, 71%
XYZ	27.2272, 37.4588, 42.3391
YIQ	150.7110, -51.2550, -23.7590

Conversions

Conversions Part 2

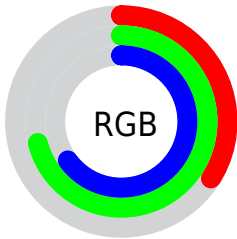
Format	Color
RYB	87, 137, 180
Decimal	5747879
CIELab	67.62, -30.83, -1.81
CIELCh	68, 30.880, 183.355
Yxy	37.4588, 0.2544, 0.3500
Android (android.graphics.Color)	4283937959 (0xFF57B4A7)
YUV	150.7110, 8.0305, -55.8745
Hunter-Lab	61.2036, -27.6983, 1.8271

Details

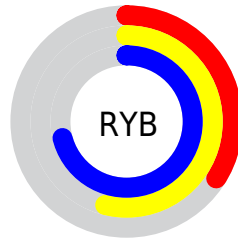
The Yxy color **37.4588, 0.2544, 0.3500** is a dark color, and the websafe version is hex **66CCCC**. A complement of this color would be **17.4484, 0.4371, 0.3108**, and the grayscale version is **30.8032, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.1941, 0.2656, 0.3459**, and **16.5760, 0.2369, 0.3572** is the 20% darker color. If you saturate the color by 10%, you get **36.6063, 0.2473, 0.3548**, and if you desaturate by 10%, it is **38.5321, 0.2632, 0.3454**.

Distribution



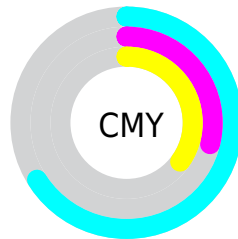
- Red (34%)
- Green (71%)
- Blue (65%)



- Red (34%)
- Yellow (54%)
- Blue (71%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (29%)





- Cyan (66%)
- Magenta (29%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4588, 0.2544, 0.3500 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 37.4588, 0.2544, 0.3500 by changing the saturation by 10% instead.


 37.4588, 0.2544,
0.3500


 37.4588, 0.2544,
0.3500


335.2926, 0.2843,
0.3394

 25.5629, 0.2467,
0.3527


 71.2779, 0.2655,
0.3461

 16.4969, 0.2367,
0.3561


 93.9698, 0.2696,
0.3447

 9.8765, 0.2231,
0.3607


 121.0293, 0.2730,
0.3435

 5.3171, 0.2039,
0.3670

 152.8406, 0.2759,
0.3424

 2.4345, 0.1745,
0.3763

189.7882, 0.2785,
0.3415

 0.8436, 0.0254,
0.4349

232.2565, 0.2807,

 0.0000, 0.0000,

0.3407

0.0000

280.6298, 0.2826,
0.3400

■ 37.4588, 0.2544,
0.3500

■ 37.4588, 0.2544,
0.3500

■ 36.6063, 0.2473,
0.3548

■ 38.5321, 0.2632,
0.3454

■ 35.9539, 0.2421,
0.3597

■ 39.8364, 0.2734,
0.3410

■ 35.4842, 0.2388,
0.3646

■ 41.3867, 0.2849,
0.3369

■ 35.1751, 0.2373,
0.3694

■ 43.1953, 0.2974,
0.3330

■ 35.0018, 0.2371,
0.3735

■ 45.2738, 0.3105,
0.3295

■ 47.6330, 0.3241,
0.3264

■ 50.2831, 0.3378,
0.3235

■ 53.2339, 0.3515,
0.3210

■ 56.4947, 0.3649,
0.3188

Harmonies

Analogous

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



37.4588, 0.2932, 0.3917



37.4588, 0.2544, 0.3500



37.4588, 0.2318, 0.3048

Triad

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



37.4588, 0.2544, 0.3500



37.4588, 0.2816, 0.2580



37.4588, 0.4032, 0.3788

Complementary

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



37.4588, 0.2544, 0.3500



17.4484, 0.4371, 0.3108

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.



37.4588, 0.4009, 0.3428



37.4588, 0.2544, 0.3500



37.4588, 0.3276, 0.2763

Square

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



37.4588, 0.2544, 0.3500



37.4588, 0.2466, 0.2556



37.4588, 0.3725, 0.3064



37.4588, 0.3798, 0.4056

Rectangle

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



37.4588, 0.2544, 0.3500



37.4588, 0.2278, 0.2806



37.4588, 0.3725, 0.3064



37.4588, 0.4055, 0.3673

Sweetspot

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



37.4603, 0.2544, 0.3500



77.0806, 0.2928, 0.3344



36.0978, 0.3152, 0.4861



16.5122, 0.2902, 0.3352



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



37.4603, 0.2544, 0.3500



66.1848, 0.2465, 0.3555



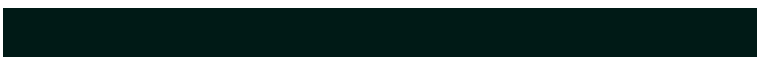
26.3363, 0.2360, 0.2741



9.6107, 0.3004, 0.3322



24.4361, 0.2369, 0.3729



0.7745, 0.2332, 0.3593

Inverse Universe

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



17.4484, 0.4371, 0.3108



25.8793, 0.4830, 0.3086



23.7240, 0.4312, 0.3759



8.5240, 0.3266, 0.3258



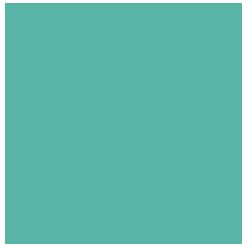
6.8281, 0.6188, 0.3183



0.2209, 0.5577, 0.2846

Previews

White Background



This preview shows how the Yxy color 37.4588, 0.2544, 0.3500 looks on a white background.

Color Contrast Check

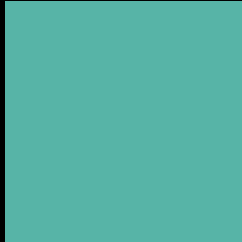
Large Text (above 18pt) WCAG AA × Fail

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 37.4588, 0.2544, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

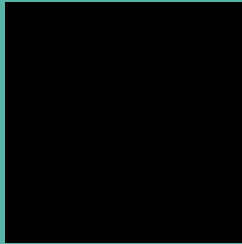
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

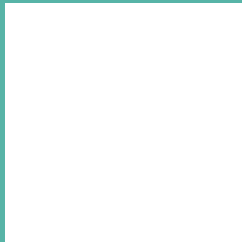
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4588, 0.2544, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 37.4588, 0.2544, 0.3500.

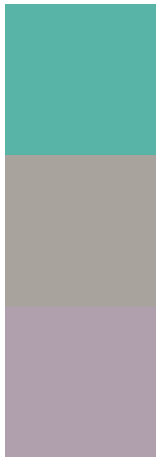


This preview shows how white text looks on a background with the Yxy color 37.4588, 0.2544, 0.3500.

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

37.4588, 0.2544, 0.3500

Protanopia

36.9535, 0.3228, 0.3376

Deuteranopia

37.0049, 0.3174, 0.3111



Tritanopia

37.2452, 0.2434, 0.3058

Trichromacy



Original Color

37.4588, 0.2544, 0.3500

Protanomaly

36.4381, 0.2927, 0.3411

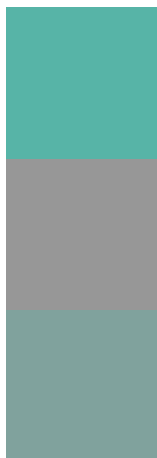
Deuteranomaly

36.4690, 0.2898, 0.3245

Tritanomaly

37.0970, 0.2473, 0.3209

Monochromacy



Original Color

37.4588, 0.2544, 0.3500

Achromatopsia

30.9469, 0.3127, 0.3290

Achromatomaly

32.8642, 0.2861, 0.3369

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4588, 0.2544, 0.3500 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(87, 180, 167)` looks like.

```
.text, #text, p{  
    color:rgb(87, 180, 167)  
}
```

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(87, 180, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 180, 167) }
```

Border

The CSS property to change the border of an element to Yxy 37.4588, 0.2544, 0.3500 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(87, 180, 167) }
```

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

```
.border{ border-color:rgb(87, 180, 167) }
```

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

Here you see how a box with a 4 pixel rgb(87, 180, 167) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 180, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 180, 167);  
box-shadow:4px 4px 4px 4px rgb(87, 180,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4588, 0.2544, 0.3500 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 180, 167) }
```

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

```
.background{ background-color: rgb(87, 180,  
167) }
```

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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