

Converting Colors

$Y_{xy}(37.6880, 0.2743, 0.4125)$

Have a look what the booklet for
Yxy(37.6880, 0.2743, 0.4125)
contains.

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Color

Yxy(37.5195, 0.2746, 0.4124)

Conversions

Conversions Part 1

Format	Color
Hex	55B786
RGB	85, 183, 134
RGB Percent	33%, 72%, 53%
CMY	0.6666, 0.2823, 0.4745
CMYK	0.54, 0.00, 0.27, 0.28
HSL	150°, 40%, 53%
HSV	150°, 54%, 72%
XYZ	24.9827, 37.5195, 28.4762
YIQ	148.1120, -42.6790, -36.0150

Conversions

Conversions Part 2

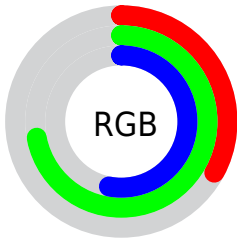
Format	Color
RYB	85, 150, 183
Decimal	5617542
CIELab	67.66, -40.34, 16.35
CIElCh	68, 43.527, 157.937
Yxy	37.5195, 0.2746, 0.4124
Android (android.graphics.Color)	4283807622 (0xFF55B786)
YUV	148.1120, -6.9572, -55.3492
Hunter-Lab	61.2532, -34.3901, 15.3136

Details

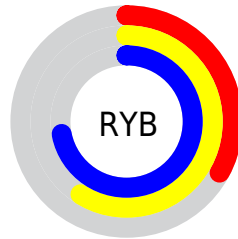
The Yxy color **37.5195, 0.2746, 0.4124** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **18.2875, 0.3867, 0.2611**, and the grayscale version is **29.7074, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.5708, 0.2827, 0.3958**, and **16.4791, 0.2609, 0.4423** is the 20% darker color. If you saturate the color by 10%, you get **36.5279, 0.2708, 0.4316**, and if you desaturate by 10%, it is **38.7577, 0.2799, 0.3940**.

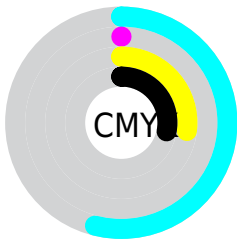
Distribution



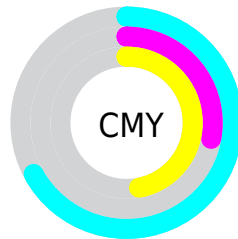
- Red (33%)
- Green (72%)
- Blue (53%)



- Red (33%)
- Yellow (59%)
- Blue (72%)



- Cyan (54%)
- Magenta (0%)
- Yellow (27%)
- Black (28%)





- Cyan (67%)
- Magenta (28%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5195, 0.2746, 0.4124 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 37.5195, 0.2746, 0.4124 by changing the saturation by 10% instead.


 37.5195, 0.2746,
0.4124


 37.5195, 0.2746,
0.4124


335.5542, 0.2954,
0.3670


 25.6100, 0.2688,
0.4251


 71.3711, 0.2826,
0.3949


 16.5321, 0.2609,
0.4423


 94.0819, 0.2855,
0.3887

 9.9014, 0.2497,
0.4667


 121.1619, 0.2878,
0.3835

 5.3337, 0.2324,
0.5042

 152.9956, 0.2898,
0.3791

 2.4443, 0.2031,
0.5678

189.9672, 0.2915,
0.3754

 0.8486, 0.0000,
1.0000

232.4613, 0.2930,

 0.0000, 0.0000,

0.3722

0.0000

280.8622, 0.2943,
0.3694

■ 37.5195, 0.2746,
0.4124

■ 37.5195, 0.2746,
0.4124

■ 36.5279, 0.2708,
0.4316

■ 38.7577, 0.2799,
0.3940

■ 35.7604, 0.2688,
0.4511

■ 40.2541, 0.2864,
0.3768

■ 35.1978, 0.2687,
0.4705

■ 42.0249, 0.2937,
0.3608

■ 34.8154, 0.2706,
0.4891

■ 44.0837, 0.3016,
0.3463

■ 34.6320, 0.2724,
0.5007

■ 46.4432, 0.3098,
0.3333

■ 49.1151, 0.3181,
0.3217

■ 52.1108, 0.3263,
0.3114

■ 55.4409, 0.3343,
0.3023

■ 59.1156, 0.3421,
0.2944

Harmonies

Analogous

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



37.5195, 0.3373, 0.4472



37.5195, 0.2746, 0.4124



37.5195, 0.2253, 0.3473

Triad

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



37.5195, 0.2746, 0.4124



37.5195, 0.2278, 0.2281



37.5195, 0.4401, 0.3525

Complementary

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



37.5195, 0.2746, 0.4124



18.2875, 0.3867, 0.2611

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.



37.5195, 0.4051, 0.3038



37.5195, 0.2746, 0.4124



37.5195, 0.2776, 0.2356

Square

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



37.5195, 0.2746, 0.4124



37.5195, 0.2013, 0.2434



37.5195, 0.3430, 0.2625



37.5195, 0.4356, 0.4012

Rectangle

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



37.5195, 0.2746, 0.4124



37.5195, 0.2056, 0.3033



37.5195, 0.3430, 0.2625



37.5195, 0.4326, 0.3359

Sweetspot

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



37.5210, 0.2746, 0.4124



77.8966, 0.2994, 0.3501



39.7284, 0.3448, 0.4778



17.0352, 0.2978, 0.3531



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.



37.5210, 0.2746, 0.4124



65.1859, 0.2704, 0.4345



39.1514, 0.2460, 0.3314



10.1330, 0.3050, 0.3407



24.1727, 0.2718, 0.4986



0.8646, 0.2586, 0.4509

Inverse Universe

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



18.2875, 0.3867, 0.2611



27.1695, 0.4116, 0.2501



17.2480, 0.4645, 0.3272



9.0851, 0.3212, 0.3176



7.5702, 0.4931, 0.2490



0.2794, 0.4373, 0.2183

Previews

White Background



This preview shows how the Yxy color 37.5195, 0.2746, 0.4124 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 37.5195, 0.2746, 0.4124 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

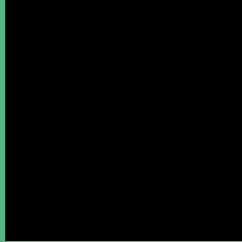
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5195, 0.2746, 0.4124

Background



This preview shows how black text looks on a background with the Yxy color 37.5195, 0.2746, 0.4124.



This preview shows how white text looks on a background with the Yxy color 37.5195, 0.2746, 0.4124.

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

37.5195, 0.2746, 0.4124

Protanopia

37.1455, 0.3590, 0.3847

Deuteranopia

37.0385, 0.3600, 0.3537



Tritanopia

37.5351, 0.2472, 0.3074

Trichromacy



Original Color

37.5195, 0.2746, 0.4124



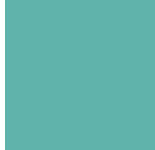
Protanomaly

36.4351, 0.3221, 0.3963



Deuteranomaly

36.0517, 0.3227, 0.3733



Tritanomaly

37.5754, 0.2566, 0.3432

Monochromacy



Original Color

37.5195, 0.2746, 0.4124



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

31.8329, 0.2948, 0.3587

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5195, 0.2746, 0.4124 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(85, 183, 134)` looks like.

```
.text, #text, p{  
    color:rgb(85, 183, 134)  
}
```

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(85, 183, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 183, 134) }
```

Border

The CSS property to change the border of an element to Yxy 37.5195, 0.2746, 0.4124 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(85, 183, 134) }
```

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

```
.border{ border-color:rgb(85, 183, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 183, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 183, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 183, 134);  
box-shadow:4px 4px 4px 4px rgb(85, 183,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5195, 0.2746, 0.4124 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 183, 134) }
```

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

```
.background{ background-color: rgb(85, 183,  
134) }
```

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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