

Converting Colors

$Y_{xy}(37.3639, 0.2586, 0.4193)$

Have a look what the booklet for
Yxy(37.3639, 0.2586, 0.4193)
contains.

Yxy(37.4674, 0.2590, 0.4204)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4674, 0.2590, 0.4204)

Conversions

Conversions Part 1

Format	Color
Hex	30BA86
RGB	48, 186, 134
RGB Percent	19%, 73%, 53%
CMY	0.8116, 0.2706, 0.4745
CMYK	0.74, 0.00, 0.28, 0.27
HSL	157°, 59%, 46%
HSV	157°, 74%, 73%
XYZ	23.0829, 37.4674, 28.5729
YIQ	138.8100, -65.5560, -45.4280

Conversions

Conversions Part 2

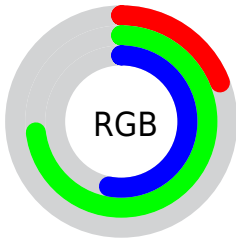
Format	Color
R_{YB}	48, 133, 186
Decimal	3193478
CIE _{Lab}	67.63, -48.51, 16.14
CIE _{LCh}	68, 51.120, 161.597
Y _{xy}	37.4674, 0.2590, 0.4204
Android (android.graphics.Color)	4281383558 (0xFF30BA86)
YUV	138.8100, -2.3713, -79.6404
Hunter-Lab	61.2106, -39.8051, 15.1711

Details

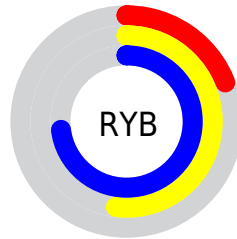
The Yxy color **37.4674, 0.2590, 0.4204** is a dark color, and the websafe version is hex **33CC99**. A complement of this color would be **13.4777, 0.4674, 0.2668**, and the grayscale version is **25.7760, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2664, 0.2702, 0.4016**, and **17.1426, 0.2581, 0.4491** is the 20% darker color. If you saturate the color by 10%, you get **36.9179, 0.2581, 0.4350**, and if you desaturate by 10%, it is **38.2224, 0.2619, 0.4059**.

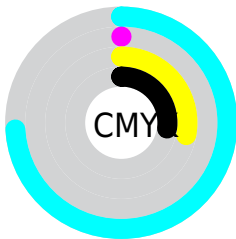
Distribution



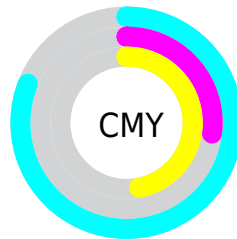
- Red (19%)
- Green (73%)
- Blue (53%)



- Red (19%)
- Yellow (52%)
- Blue (73%)



- Cyan (74%)
- Magenta (0%)
- Yellow (28%)
- Black (27%)



- Cyan (81%)
- Magenta (27%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4674, 0.2590, 0.4204 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 37.4674, 0.2590, 0.4204 by changing the saturation by 10% instead.


 37.4674, 0.2590,
0.4204


 37.4674, 0.2590,
0.4204


335.3297, 0.2880,
0.3704

 25.5696, 0.2510,
0.4344


 71.2911, 0.2701,
0.4011


 16.5019, 0.2403,
0.4534


 93.9857, 0.2741,
0.3943


 9.8800, 0.2253,
0.4805


 121.0481, 0.2774,
0.3886

 5.3195, 0.2027,
0.5219

 152.8626, 0.2802,
0.3838

 2.4359, 0.1634,
0.5937

 189.8136, 0.2825,
0.3797

 0.8443, 0.0000,
1.0000

232.2855, 0.2846,

 0.0000, 0.0000,

0.3762

0.0000

280.6628, 0.2864,
0.3731

■ 37.4674, 0.2590,
0.4204

■ 37.4674, 0.2590,
0.4204

■ 36.9179, 0.2581,
0.4350

■ 38.2224, 0.2619,
0.4059

■ 36.5438, 0.2592,
0.4493

■ 39.1998, 0.2666,
0.3917

■ 36.3765, 0.2604,
0.4575

■ 40.4197, 0.2729,
0.3782

■ 41.8985, 0.2806,
0.3654

■ 43.6515, 0.2893,
0.3535

■ 45.6925, 0.2987,
0.3426

■ 48.0343, 0.3085,
0.3328

■ 50.6892, 0.3186,
0.3240

■ 53.6685, 0.3287,
0.3161

Harmonies

Analogous

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



37.4674, 0.3304, 0.4676



37.4674, 0.2590, 0.4204



37.4674, 0.2060, 0.3395

Triad

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



37.4674, 0.2590, 0.4204



37.4674, 0.2202, 0.2129



37.4674, 0.4638, 0.3606

Complementary

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



37.4674, 0.2590, 0.4204



13.4777, 0.4674, 0.2668

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.



37.4674, 0.4286, 0.3052



37.4674, 0.2590, 0.4204



37.4674, 0.2798, 0.2247

Square

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



37.4674, 0.2590, 0.4204



37.4674, 0.1871, 0.2259



37.4674, 0.3573, 0.2574



37.4674, 0.4512, 0.4163

Rectangle

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



37.4674, 0.2590, 0.4204



37.4674, 0.1866, 0.2889



37.4674, 0.3573, 0.2574



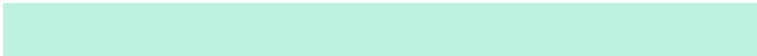
37.4674, 0.4574, 0.3418

Sweetspot

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



37.4689, 0.2590, 0.4204



79.7490, 0.2909, 0.3515



38.0942, 0.3328, 0.5406



17.3548, 0.2884, 0.3546



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.



37.4689, 0.2590, 0.4204



66.4545, 0.2586, 0.4440



32.8888, 0.2246, 0.3022



10.1517, 0.3034, 0.3378



24.4879, 0.2599, 0.4557



0.8749, 0.2497, 0.4190

Inverse Universe

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



13.4777, 0.4674, 0.2668



20.7699, 0.5192, 0.2710



14.3358, 0.5473, 0.3468



9.0667, 0.3230, 0.3204



7.3350, 0.5439, 0.2770



0.2708, 0.4735, 0.2382

Previews

White Background



This preview shows how the Yxy color 37.4674, 0.2590, 0.4204 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 37.4674, 0.2590, 0.4204 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

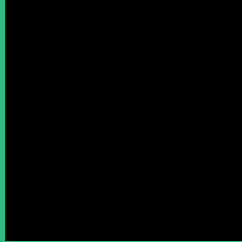
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4674, 0.2590, 0.4204

Background



This preview shows how black text looks on a background with the Yxy color 37.4674, 0.2590, 0.4204.



This preview shows how white text looks on a background with the Yxy color 37.4674, 0.2590, 0.4204.

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

37.4674, 0.2590, 0.4204

Protanopia

36.7384, 0.3612, 0.3863

Deuteranopia

36.5722, 0.3593, 0.3525



Tritanopia

37.2275, 0.2340, 0.3054

Trichromacy



Original Color

37.4674, 0.2590, 0.4204



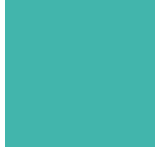
Protanomaly

35.3253, 0.3111, 0.4004



Deuteranomaly

35.0745, 0.3087, 0.3767



Tritanomaly

37.1846, 0.2422, 0.3436

Monochromacy



Original Color

37.4674, 0.2590, 0.4204



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

28.6472, 0.2828, 0.3626

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4674, 0.2590, 0.4204 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(48, 186, 134)` looks like.

```
.text, #text, p{  
    color:rgb(48, 186, 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(48, 186, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 186, 134) }
```

Border

The CSS property to change the border of an element to Yxy 37.4674, 0.2590, 0.4204 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(48, 186, 134) }
```

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

```
.border{ border-color:rgb(48, 186, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(48, 186, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 186, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 186, 134);  
box-shadow:4px 4px 4px 4px rgb(48, 186,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4674, 0.2590, 0.4204 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 186, 134) }
```

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

```
.background{ background-color: rgb(48, 186,  
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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