

Converting Colors

XYZ(37.0047, 48.9938, 41.6796)

Have a look what the booklet for
XYZ(37.0047, 48.9938, 41.6796)
contains.

XYZ(37.0074, 48.9855, 41.6871)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.0074, 48.9855,
41.6871)**

Conversions

Conversions Part 1

Format	Color
Hex	86C8A2
RGB	134, 200, 162
RGB Percent	53%, 78%, 64%
CMY	0.4745, 0.2157, 0.3647
CMYK	0.33, 0.00, 0.19, 0.22
HSL	145°, 38%, 65%
HSV	145°, 33%, 78%
XYZ	37.0074, 48.9855, 41.6871
YIQ	175.9340, -27.1380, -25.8100

Conversions

Conversions Part 2

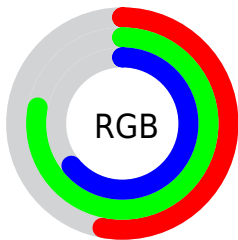
Format	Color
RYB	134, 180, 200
Decimal	8833186
CIELab	75.44, -29.04, 12.43
CIELCh	75, 31.591, 156.823
Yxy	48.9855, 0.2898, 0.3837
Android (android.graphics.Color)	4287023266 (0xFF86C8A2)
YUV	175.9340, -6.8695, -36.7761
Hunter-Lab	69.9896, -28.0990, 13.6786

Details

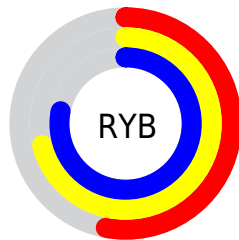
The XYZ color **37.0074, 48.9855, 41.6871** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.7926, 32.3093, 43.1708**, and the grayscale version is **41.2783, 43.4280, 47.2931**.

A 20% lighter version of the original color is **69.2707, 87.3486, 78.8547**, and **16.4867, 23.4329, 18.4059** is the 20% darker color. If you saturate the color by 10%, you get **33.1390, 47.1056, 36.4055**, and if you desaturate by 10%, it is **41.5750, 51.2178, 47.4930**.

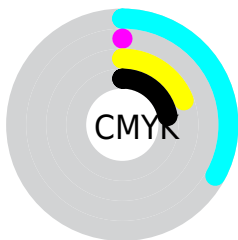
Distribution



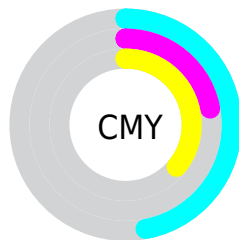
- Red (53%)
- Green (78%)
- Blue (64%)



- Red (53%)
- Yellow (71%)
- Blue (78%)



- Cyan (33%)
- Magenta (0%)
- Yellow (19%)
- Black (22%)





- Cyan (47%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0074, 48.9855, 41.6871 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 XYZ color 37.0074, 48.9855, 41.6871 by changing the saturation by 10% instead.


 37.0074, 48.9855,
41.6871


 37.0074, 48.9855,
41.6871


324.6975,
382.6852, 368.9455


 25.3869, 34.6080,
28.5326


 69.8979, 88.6699,
78.9908

 16.4958, 23.3611,
18.4850


 91.8987, 114.7456,
103.9771

 9.9688, 14.8603,
11.1257


 118.0902,
145.4895, 133.7445

 5.4404, 8.7214,
6.0362

148.8380,
181.2859, 168.7114

 2.5453, 4.5599,
2.7980

184.5072,
222.5193, 209.2964

 0.9181, 1.9914,
0.9924

225.4633,

 0.0000, 0.6025,

269.5741, 255.9181

0.0000

272.0716,
322.8346, 308.9949

■ 0.0000, 0.0000,
0.0000

■ 37.0074, 48.9855,
41.6871

■ 37.0074, 48.9855,
41.6871

■ 33.1390, 47.1056,
36.4055

■ 41.5750, 51.2178,
47.4930

■ 29.9294, 45.5533,
31.6300

■ 46.8718, 53.8135,
53.8339

■ 27.3397, 44.3104,
27.3462

■ 52.9305, 56.7906,
60.7246

■ 25.3254, 43.3542,
23.5378

■ 59.7808, 60.1642,
68.1781

■ 23.8351, 42.6585,
20.1874

■ 67.4508, 63.9485,
76.2072

■ 22.8080, 42.1924,
17.2764

■ 75.9671, 68.1569,
84.8239

■ 22.2888, 41.9638,
15.4876

■ 78.0142, 69.0180,
93.6967

■ 79.8049, 69.7342,
103.1266

■ 79.9452, 69.7903,
103.8651

Harmonies

Analogous

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



40.1667, 48.9855, 31.5682



37.0074, 48.9855, 41.6871



36.3046, 48.9855, 57.2372

Triad

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



37.0074, 48.9855, 41.6871



47.9019, 48.9855, 91.9253



56.1081, 48.9855, 36.3362

Complementary

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



37.0074, 48.9855, 41.6871



39.7926, 32.3093, 43.1708

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.



58.5831, 48.9855, 49.6179



37.0074, 48.9855, 41.6871



53.5964, 48.9855, 83.3388

Square

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



37.0074, 48.9855, 41.6871



42.2907, 48.9855, 88.5735



57.6277, 48.9855, 66.9769



51.1058, 48.9855, 28.9586

Rectangle

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



37.0074, 48.9855, 41.6871



37.2663, 48.9855, 69.1516



57.6277, 48.9855, 66.9769



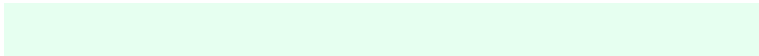
57.2814, 48.9855, 40.1382

Sweetspot

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



37.0087, 48.9875, 41.6882



84.0083, 94.5706, 96.5121



42.0823, 51.8593, 30.3468



17.6729, 20.0906, 20.3019



0.0000, 0.0000, 0.0000



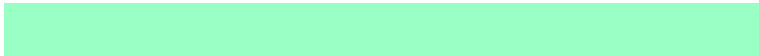
20.3446, 21.4041, 23.3091

Same Dimension

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



37.0087, 48.9875, 41.6882



58.8916, 82.2902, 65.1662



40.2813, 50.2965, 58.9212



10.6811, 11.9613, 12.2707



14.2142, 26.6980, 10.0724



0.7091, 1.2786, 0.6668

Inverse Universe

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



39.7926, 32.3093, 43.1708



64.4807, 48.7823, 68.1255



37.0428, 31.2094, 28.6905



10.8855, 10.7376, 12.3805



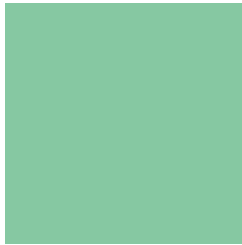
17.1641, 8.6152, 11.3399



0.8484, 0.4222, 0.7248

Previews

White Background



This preview shows how the XYZ color 37.0074, 48.9855, 41.6871 looks on a white background.

Color Contrast Check

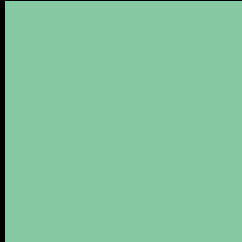
Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 37.0074, 48.9855, 41.6871 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

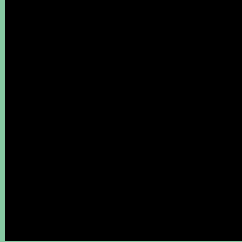
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.0074, 48.9855, 41.6871

Background



This preview shows how black text looks on a background with the XYZ color 37.0074, 48.9855, 41.6871.



This preview shows how white text looks on a background with the XYZ color 37.0074, 48.9855,

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

37.0074, 48.9855, 41.6871

Protanopia

45.6874, 48.6331, 37.5510

Deuteranopia

49.4738, 48.3324, 43.2808



Tritanopia

42.3020, 49.1163, 67.5724

Trichromacy



Original Color

37.0074, 48.9855, 41.6871

Protanomaly

41.7328, 48.1455, 38.9917

Deuteranomaly

43.6418, 47.7795, 42.5195

Tritanomaly

40.0696, 48.8611, 57.1884

Monochromacy



Original Color

37.0074, 48.9855, 41.6871

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

39.3976, 45.2153, 45.1790

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0074, 48.9855, 41.6871 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(134, 200, 162)` looks like.

```
.text, #text, p{  
    color:rgb(134, 200, 162)  
}
```

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(134, 200, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 200, 162) }
```

Border

The CSS property to change the border of an element to XYZ 37.0074, 48.9855, 41.6871 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(134, 200, 162) }
```


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

```
.border{ border-color:rgb(134, 200, 162) }
```

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

Here you see how a box with a 4 pixel rgb(134, 200, 162) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 200, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 200, 162);  
box-shadow:4px 4px 4px 4px rgb(134, 200,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0074, 48.9855, 41.6871 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 200, 162) }
```

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

```
.background{ background-color: rgb(134,  
200, 162) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor