

Converting Colors

XYZ(37.2567, 53.2120, 42.1606)

Have a look what the booklet for
XYZ(37.2567, 53.2120, 42.1606)
contains.

XYZ(37.0634, 52.9436, 41.9839)	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(37.0634, 52.9436,
41.9839)**

Conversions

Conversions Part 1

Format	Color
Hex	75D3A1
RGB	117, 211, 161
RGB Percent	46%, 83%, 63%
CMY	0.5412, 0.1725, 0.3686
CMYK	0.45, 0.00, 0.24, 0.17
HSL	148°, 52%, 64%
HSV	148°, 45%, 83%
XYZ	37.0634, 52.9436, 41.9839
YIQ	177.1940, -39.9740, -35.4780

Conversions

Conversions Part 2

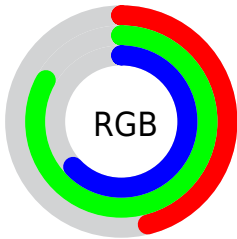
Format	Color
RYB	117, 181, 211
Decimal	7721889
CIELab	77.84, -39.20, 16.23
CIElCh	78, 42.425, 157.513
Yxy	52.9436, 0.2808, 0.4011
Android (android.graphics.Color)	4285911969 (0xFF75D3A1)
YUV	177.1940, -7.9836, -52.7901
Hunter-Lab	72.7624, -36.4105, 16.7233

Details

The XYZ color **37.0634, 52.9436, 41.9839** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **40.2021, 29.3627, 40.1100**, and the grayscale version is **41.9487, 44.1333, 48.0612**.

A 20% lighter version of the original color is **65.3883, 85.3621, 77.9960**, and **16.5733, 25.8732, 18.5885** is the 20% darker color. If you saturate the color by 10%, you get **33.5959, 51.2668, 36.8853**, and if you desaturate by 10%, it is **41.2615, 54.9897, 47.5828**.

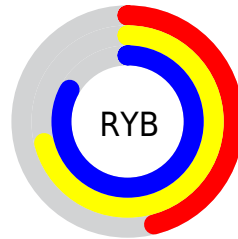
Distribution



Red (46%)

Green (83%)

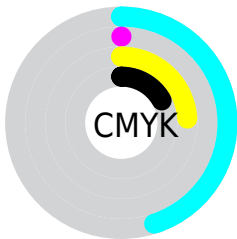
Blue (63%)



Red (46%)

Yellow (71%)

Blue (83%)

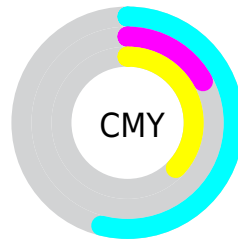


Cyan (45%)

Magenta (0%)

Yellow (24%)

Black (17%)



Cyan (54%)


Magenta (17%)


Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0634, 52.9436, 41.9839 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 37.0634, 52.9436, 41.9839 by changing the saturation by 10% instead.


 37.0634, 52.9436,
41.9839


 37.0634, 52.9436,
41.9839


324.9357,
398.0687, 370.2139


 25.4305, 37.7577,
28.7632


 69.9835, 94.5214,
79.4451

 16.5285, 25.7947,
18.6577


 92.0014, 121.6821,
104.5227

 9.9921, 16.6701,
11.2489


 118.2116,
153.6032, 134.3896

 5.4560, 9.9996,
6.1182

148.9796,
190.6691, 169.4645

 2.5547, 5.3987,
2.8472

184.6706,
233.2642, 210.1658

 0.9229, 2.4830,
1.0171

225.6501,

 0.0000, 0.8681,

281.7729, 256.9121

0.0000

272.2833,
336.5796, 310.1220

■ 0.0000, 0.0000,
0.0000

■ 37.0634, 52.9436,
41.9839

■ 37.0634, 52.9436,
41.9839

■ 33.5959, 51.2668,
36.8853

■ 41.2615, 54.9897,
47.5828

■ 30.8090, 49.9294,
32.2692

■ 46.2277, 57.4198,
53.6921

■ 28.6529, 48.9074,
28.1216


■ 52.0018, 60.2556,
60.3261


■ 27.0683, 48.1706,
24.4267


■ 58.6194, 63.5152,
67.4972


■ 25.9837, 47.6825,
21.1671


■ 66.1142, 67.2158,
75.2177

 25.5361, 47.4868,
19.5656

 74.5179, 71.3735,
83.4991

 80.1994, 74.1161,
92.1816

 81.9151, 74.8024,
101.2165

 82.5852, 75.0704,
104.7451

Harmonies

Analogous

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



41.2822, 52.9436, 28.6395



37.0634, 52.9436, 41.9839



36.1992, 52.9436, 63.7813

Triad

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



37.0634, 52.9436, 41.9839



52.4201, 52.9436, 115.3039



63.9548, 52.9436, 34.2075

Complementary

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



37.0634, 52.9436, 41.9839



40.2021, 29.3627, 40.1100

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.



67.7081, 52.9436, 51.9184



37.0634, 52.9436, 41.9839



60.5921, 52.9436, 101.6163

Square

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



37.0634, 52.9436, 41.9839



44.5050, 52.9436, 110.5163



66.4148, 52.9436, 76.7881



56.6235, 52.9436, 25.0789

Rectangle

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



37.0634, 52.9436, 41.9839



37.5440, 52.9436, 81.2344



66.4148, 52.9436, 76.7881



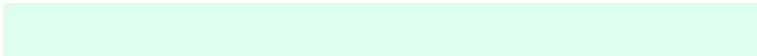
65.7112, 52.9436, 39.1336

Sweetspot

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



37.0648, 52.9458, 41.9851



81.1780, 93.1618, 94.1054



42.4714, 56.1052, 25.4212



16.9198, 19.7163, 19.6354



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.



37.0648, 52.9458, 41.9851



52.0436, 78.9258, 57.3511



42.0009, 54.9202, 67.9779



11.8833, 13.2971, 13.7418



15.4612, 28.6774, 12.0750



0.9044, 1.6194, 0.8854

Inverse Universe

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



40.2021, 29.3627, 40.1100



57.4241, 38.4511, 54.1135



36.6250, 27.9319, 21.2735



12.0678, 11.9119, 13.6327



18.0376, 9.0879, 10.3703



1.0485, 0.5241, 0.7900

Previews

White Background



This preview shows how the XYZ color 37.0634, 52.9436, 41.9839 looks on a white background.

Color Contrast Check

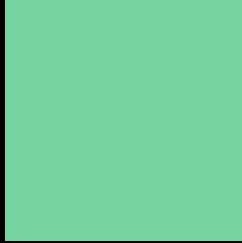
Large Text (above 18pt) WCAG AA × Fail

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 37.0634, 52.9436, 41.9839 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 37.0634, 52.9436, 41.9839

Background



This preview shows how black text looks on a background with the XYZ color 37.0634, 52.9436, 41.9839.

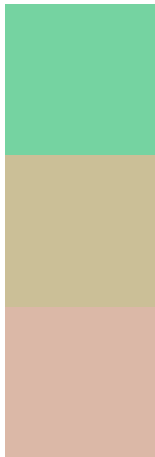


This preview shows how white text looks on a background with the XYZ color 37.0634, 52.9436,

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

37.0634, 52.9436, 41.9839

Protanopia

48.8453, 52.1925, 36.7779

Deuteranopia

53.3290, 52.1311, 43.8108



Tritanopia

43.6343, 52.7045, 75.5834

Trichromacy



Original Color

37.0634, 52.9436, 41.9839



Protanomaly

43.1237, 51.5254, 38.6829



Deuteranomaly

45.3747, 51.2453, 43.0971



Tritanomaly

40.9843, 52.7018, 62.0452

Monochromacy



Original Color

37.0634, 52.9436, 41.9839



Achromatopsia

41.7894, 43.9657, 47.8787



Achromatomaly

39.0659, 46.3040, 45.4067

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0634, 52.9436, 41.9839 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(117, 211, 161)` looks like.

```
.text, #text, p{  
    color:rgb(117, 211, 161)  
}
```

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(117, 211, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 211, 161) }
```

Border

The CSS property to change the border of an element to XYZ 37.0634, 52.9436, 41.9839 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(117, 211, 161) }
```


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

```
.border{ border-color:rgb(117, 211, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 211, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(117, 211, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(117, 211, 161); box-shadow:4px 4px 4px 4px rgb(117, 211, 161) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0634, 52.9436, 41.9839 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 211, 161) }
```

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

```
.background{ background-color: rgb(117,  
211, 161) }
```

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