

Converting Colors

XYZ(34.3658, 41.0998, 40.8891)

Have a look what the booklet for
XYZ(34.3658, 41.0998, 40.8891)
contains.

XYZ(34.4337, 41.2162, 40.7910)	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(34.4337, 41.2162,
40.7910)**

Conversions

Conversions Part 1	
Format	Color
Hex	90B4A3
RGB	144, 180, 163
RGB Percent	56%, 71%, 64%
CMY	0.4353, 0.2941, 0.3608
CMYK	0.20, 0.00, 0.09, 0.29
HSL	152°, 19%, 64%
HSV	152°, 20%, 71%
XYZ	34.4337, 41.2162, 40.7910
YIQ	167.2980, -15.9990, -12.9190

Conversions

Conversions Part 2

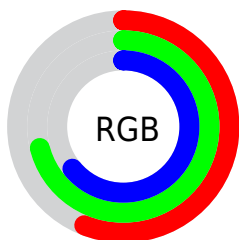
Format	Color
RYB	144, 168, 180
Decimal	9483427
CIELab	70.33, -15.66, 4.66
CIELCh	70, 16.340, 163.422
Yxy	41.2162, 0.2957, 0.3540
Android (android.graphics.Color)	4287673507 (0xFF90B4A3)
YUV	167.2980, -2.1189, -20.4323
Hunter-Lab	64.1998, -16.6109, 7.2685

Details

The XYZ color **34.4337, 41.2162, 40.7910** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **35.2301, 32.2240, 38.0830**, and the grayscale version is **36.8924, 38.8137, 42.2681**.

A 20% lighter version of the original color is **65.9390, 77.0586, 77.7281**, and **14.9728, 18.6536, 17.8503** is the 20% darker color. If you saturate the color by 10%, you get **30.8009, 39.4296, 36.7782**, and if you desaturate by 10%, it is **38.6213, 43.2851, 45.0988**.

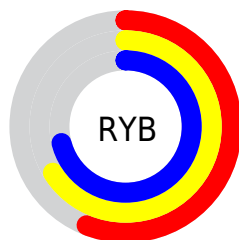
Distribution



Red (56%)

Green (71%)

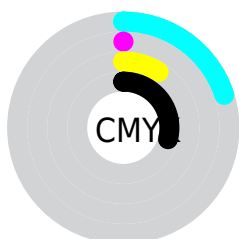
Blue (64%)



Red (56%)

Yellow (66%)

Blue (71%)

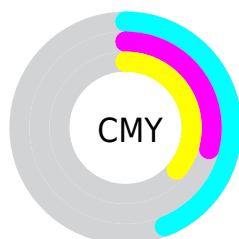


Cyan (20%)

Magenta (0%)

Yellow (9%)

Black (29%)



Cyan (44%)


Magenta (29%)

Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 34.4337, 41.2162, 40.7910 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 34.4337, 41.2162, 40.7910 by changing the saturation by 10% instead.


 34.4337, 41.2162,
40.7910


 34.4337, 41.2162,
40.7910


313.6136,
351.2234, 365.0971

 23.3914, 28.4881,
27.8373


 65.9474, 77.0120,
77.6167

 15.0051, 18.6939,
17.9651


 87.1495, 100.8484,
102.3259

 8.9093, 11.4493,
10.7558


112.4689,
129.1564, 131.7907

 4.7387, 6.3699,
5.7907

142.2711,
162.3203, 166.4295

 2.1280, 3.0713,
2.6515

176.9212,
200.7246, 206.6611

 0.7043, 1.1691,
0.9189


216.7848,

 0.0000, 0.0362,


244.7536, 252.9038

0.0000

262.2272,
294.7917, 305.5763


 0.0000, 0.0000,
0.0000


 34.4337, 41.2162,
40.7910


 34.4337, 41.2162,
40.7910


 30.8009, 39.4296,
36.7782

 38.6213, 43.2851,
45.0988


 27.6947, 37.9076,
33.0512


 43.3834, 45.6431,
49.7051


 25.0897, 36.6383,
29.6045

 48.7429, 48.3028,
54.6166

 22.9568, 35.6068,
26.4310

 54.7204, 51.2749,
59.8391

 21.2638, 34.7966,
23.5236

 61.3354, 54.5693,
65.3783

■ 19.9740, 34.1889,
20.8746

■ 68.6066, 58.1956,
71.2395

■ 19.0446, 33.7620,
18.4757

■ 70.8150, 59.2053,
77.1596

■ 18.3874, 33.4703,
16.3167

■ 71.9870, 59.6741,
83.3314

■ 73.2174, 60.1662,
89.8103

Harmonies

Analogous

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



35.7334, 41.2162, 34.9756



34.4337, 41.2162, 40.7910



34.3662, 41.2162, 48.3964

Triad

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



34.4337, 41.2162, 40.7910



40.3849, 41.2162, 60.8439



43.0440, 41.2162, 35.4653

Complementary

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



34.4337, 41.2162, 40.7910



35.2301, 32.2240, 38.0830

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.



44.4121, 41.2162, 41.5333



34.4337, 41.2162, 40.7910



42.8303, 41.2162, 56.4913

Square

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



34.4337, 41.2162, 40.7910



37.7206, 41.2162, 60.5861



44.3322, 41.2162, 49.2281



40.6658, 41.2162, 32.1498

Rectangle

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



34.4337, 41.2162, 40.7910



35.0233, 41.2162, 53.5206



44.3322, 41.2162, 49.2281



43.6420, 41.2162, 37.2188

Sweetspot

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



34.4348, 41.2179, 40.7919



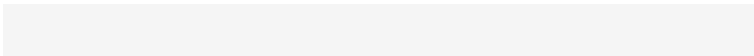
73.2650, 80.0842, 84.9605



36.1354, 42.2767, 32.6417



15.7184, 17.2513, 18.2491



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



34.4348, 41.2179, 40.7919



59.4084, 73.2425, 70.6870



35.9416, 41.6272, 49.3227



8.5701, 9.5625, 9.9957



12.8669, 23.3727, 11.5677



0.4340, 0.7471, 0.5177

Inverse Universe

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



35.2301, 32.2240, 38.0830



61.1141, 53.9551, 64.8788



33.9220, 31.8466, 30.7451



8.6578, 8.5699, 9.6966



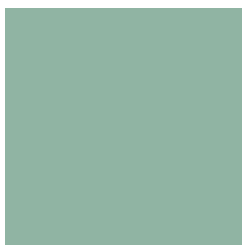
14.3149, 7.2435, 6.8183



0.4800, 0.2397, 0.3702

Previews

White Background



This preview shows how the XYZ color 34.4337, 41.2162, 40.7910 looks on a white background.

Color Contrast Check

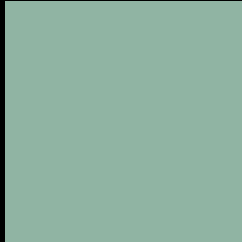
Large Text (above 18pt) WCAG AA × Fail

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 34.4337, 41.2162, 40.7910 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

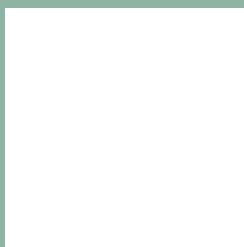
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 34.4337, 41.2162, 40.7910

Background



This preview shows how black text looks on a background with the XYZ color 34.4337, 41.2162, 40.7910.



This preview shows how white text looks on a background with the XYZ color 34.4337, 41.2162,

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

34.4337, 41.2162, 40.7910

Protanopia

39.0946, 41.0594, 38.2125

Deuteranopia

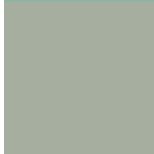

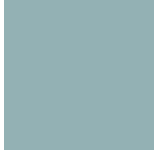
41.7544, 40.9728, 41.7842




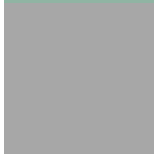
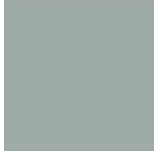
Tritanopia

37.2140, 41.1579, 54.6981

Trichromacy

	Original Color 34.4337, 41.2162, 40.7910
	Protanomaly 37.2071, 40.9172, 39.1945
	Deuteranomaly 38.5880, 40.7267, 41.4245
	Tritanomaly 35.9930, 40.9426, 49.1857

Monochromacy

	Original Color 34.4337, 41.2162, 40.7910
	Achromatopsia 36.7301, 38.6429, 42.0822
	Achromatomaly 35.9335, 39.6291, 41.8317

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.4337, 41.2162, 40.7910 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(144, 180, 163)` looks like.

```
.text, #text, p{  
    color:rgb(144, 180, 163)  
}
```

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(144, 180, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 180, 163) }
```

Border

The CSS property to change the border of an element to XYZ 34.4337, 41.2162, 40.7910 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(144, 180, 163) }
```


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

```
.border{ border-color:rgb(144, 180, 163) }
```

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

Here you see how a box with a 4 pixel rgb(144, 180, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 180, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 180, 163);  
box-shadow:4px 4px 4px 4px rgb(144, 180,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 34.4337, 41.2162, 40.7910 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 180, 163) }
```

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

```
.background{ background-color: rgb(144,  
180, 163) }
```

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