

Converting Colors

XYZ(31.2525, 36.2447, 35.4237)

Have a look what the booklet for
XYZ(31.2525, 36.2447, 35.4237)
contains.

XYZ(31.2540, 36.2345, 35.4837)	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(31.2540, 36.2345,
35.4837)**

Conversions

Conversions Part 1

Format	Color
Hex	90A899
RGB	144, 168, 153
RGB Percent	56%, 66%, 60%
CMY	0.4353, 0.3412, 0.4000
CMYK	0.14, 0.00, 0.09, 0.34
HSL	142°, 12%, 61%
HSV	142°, 14%, 66%
XYZ	31.2540, 36.2345, 35.4837
YIQ	159.1140, -9.4890, -9.7530

Conversions

Conversions Part 2

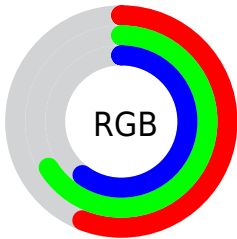
Format	Color
RYB	144, 161, 168
Decimal	9480345
CIELab	66.70, -11.35, 4.95
CIELCh	67, 12.382, 156.426
Yxy	36.2345, 0.3035, 0.3519
Android (android.graphics.Color)	4287670425 (0xFF90A899)
YUV	159.1140, -3.0142, -13.2550
Hunter-Lab	60.1951, -12.6621, 7.1864

Details

The XYZ color **31.2540, 36.2345, 35.4837** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.3810, 30.7754, 37.0361**, and the grayscale version is **33.0241, 34.7439, 37.8361**.

A 20% lighter version of the original color is **60.9389, 69.2861, 69.1932**, and **13.1579, 15.7772, 14.9222** is the 20% darker color. If you saturate the color by 10%, you get **27.7058, 34.5022, 30.9880**, and if you desaturate by 10%, it is **35.3173, 38.2255, 40.4035**.

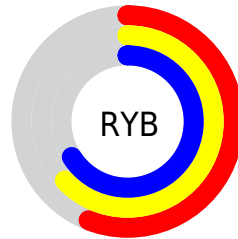
Distribution



Red (56%)

Green (66%)

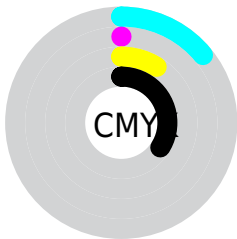
Blue (60%)



Red (56%)

Yellow (63%)

Blue (66%)

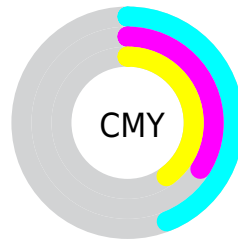


Cyan (14%)

Magenta (0%)

Yellow (9%)

Black (34%)



Cyan (44%)

Magenta (34%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.2540, 36.2345, 35.4837 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 31.2540, 36.2345, 35.4837 by changing the saturation by 10% instead.

■ 31.2540, 36.2345,
35.4837

■ 31.2540, 36.2345,
35.4837

299.5128,
329.9843, 341.6671

■ 20.9451, 24.6154,
23.7492

■ 61.0129, 69.3939,
69.3945

■ 13.1961, 15.7907,
14.9372

■ 81.1936, 91.7029,
92.4078

■ 7.6417, 9.3762,
8.6292

105.3956,
118.3439, 120.0178

■ 3.9164, 4.9874,
4.4066

133.9843,
149.7015, 152.6431

■ 1.6549, 2.2398,
1.8510

167.3250,
186.1599, 190.7021

■ 0.4278, 0.7416,
0.4613

205.7831,

■ 0.0000, 0.0000,

228.1036, 234.6134

0.0000

249.7239,
275.9169, 284.7956

■ 31.2540, 36.2345,
35.4837

■ 31.2540, 36.2345,
35.4837

■ 27.7058, 34.5022,
30.9880

■ 35.3173, 38.2255,
40.4035

■ 24.6485, 33.0134,
26.9028

■ 39.9125, 40.4807,
45.7558

■ 22.0604, 31.7580,
23.2172

■ 45.0595, 43.0112,
51.5518

■ 19.9169, 30.7238,
19.9189

■ 50.7762, 45.8259,
57.8015

■ 18.1912, 29.8971,
16.9951

■ 57.0798, 48.9334,
64.5146

■ 16.8533, 29.2627,
14.4321

■ 63.9864, 52.3420,
71.7004

■ 15.8690, 28.8033,
12.2153

■ 69.0405, 54.7856,
79.2525

■ 15.1975, 28.4982,
10.3291

■ 70.5305, 55.3816,
87.0990

■ 14.9004, 28.3655,
9.3918

■ 72.1104, 56.0135,
95.4187

Harmonies

Analogous

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



32.3524, 36.2345, 31.7474



31.2540, 36.2345, 35.4837



30.9951, 36.2345, 40.6149

Triad

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



31.2540, 36.2345, 35.4837



34.8431, 36.2345, 50.5738



37.4090, 36.2345, 33.6593

Complementary

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



31.2540, 36.2345, 35.4837



32.3810, 30.7754, 37.0361

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.



38.1307, 36.2345, 38.3139



31.2540, 36.2345, 35.4837



36.6151, 36.2345, 48.3148

Square

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



31.2540, 36.2345, 35.4837



33.0243, 36.2345, 49.6436



37.8351, 36.2345, 43.7082



35.8951, 36.2345, 30.7625

Rectangle

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



31.2540, 36.2345, 35.4837



31.3248, 36.2345, 44.2067



37.8351, 36.2345, 43.7082



37.7547, 36.2345, 35.0533

Sweetspot

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



31.2550, 36.2360, 35.4845



64.2530, 69.4447, 73.5137



33.3758, 37.4120, 31.8481



13.8798, 15.0748, 15.8748



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.2550, 36.2360, 35.4845



54.6693, 64.7526, 61.8406



32.2788, 36.6455, 40.8756



7.5488, 8.4525, 8.6099



11.2748, 21.4287, 7.2141



0.2992, 0.5313, 0.3064

Inverse Universe

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



32.3810, 30.7754, 37.0361



57.0938, 52.9936, 65.1805



31.4050, 30.3850, 31.8964



7.7208, 7.6182, 8.8471



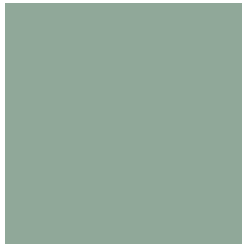
14.1458, 7.0670, 10.8454



0.3677, 0.1814, 0.3880

Previews

White Background



This preview shows how the XYZ color 31.2540, 36.2345, 35.4837 looks on a white background.

Color Contrast Check

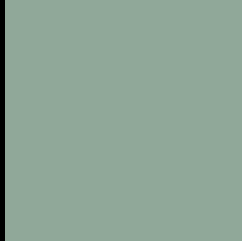
Large Text (above 18pt) WCAG AA × Fail

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 31.2540, 36.2345, 35.4837 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

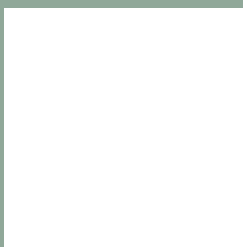
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2540, 36.2345, 35.4837

Background



This preview shows how black text looks on a background with the XYZ color 31.2540, 36.2345, 35.4837.



This preview shows how white text looks on a background with the XYZ color 31.2540, 36.2345,

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

31.2540, 36.2345, 35.4837

Protanopia

34.3181, 35.9845, 33.5707

Deuteranopia

36.6273, 35.8468, 35.9990



Tritanopia

33.4240, 36.0211, 46.7861

Trichromacy



Original Color

31.2540, 36.2345, 35.4837

Protanomaly

33.0786, 36.1239, 34.0833

Deuteranomaly

34.3399, 35.6902, 35.6508

Tritanomaly

32.5556, 35.9405, 42.2671

Monochromacy



Original Color

31.2540, 36.2345, 35.4837

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.3326, 35.1450, 36.9778

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2540, 36.2345, 35.4837 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, 168, 153)` looks like.

```
.text, #text, p{  
    color:rgb(144, 168, 153)  
}
```

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, 168, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 168, 153) }
```

Border

The CSS property to change the border of an element to XYZ 31.2540, 36.2345, 35.4837 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, 168, 153) }
```


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

```
.border{ border-color:rgb(144, 168, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 168, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 168, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 168, 153);  
box-shadow:4px 4px 4px 4px rgb(144, 168,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2540, 36.2345, 35.4837 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 168, 153) }
```

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

```
.background{ background-color: rgb(144,  
168, 153) }
```

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