

Converting Colors

XYZ(37.1745, 40.3862, 35.4845)

Have a look what the booklet for
XYZ(37.1745, 40.3862, 35.4845)
contains.

XYZ(37.2146, 40.4300, 35.5481)	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(37.2146, 40.4300,
35.5481)**

Conversions

Conversions Part 1

Format	Color
Hex	ABAC98
RGB	171, 172, 152
RGB Percent	67%, 67%, 60%
CMY	0.3294, 0.3255, 0.4039
CMYK	0.01, 0.00, 0.12, 0.33
HSL	63°, 11%, 64%
HSV	63°, 12%, 67%
XYZ	37.2146, 40.4300, 35.5481
YIQ	169.4210, 5.8240, -6.4320

Conversions

Conversions Part 2

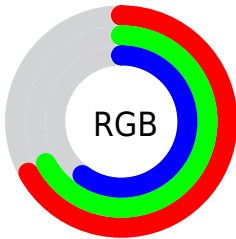
Format	Color
RYB	152, 172, 153
Decimal	11250840
CIELab	69.77, -3.93, 10.17
CIElCh	70, 10.905, 111.131
Yxy	40.4300, 0.3288, 0.3572
Android (android.graphics.Color)	4289440920 (0xFFABAC98)
YUV	169.4210, -8.5886, 1.3848
Hunter-Lab	63.5846, -6.8011, 11.3621

Details

The XYZ color **37.2146, 40.4300, 35.5481** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.8131, 32.2084, 43.5721**, and the grayscale version is **37.9608, 39.9377, 43.4921**.

A 20% lighter version of the original color is **69.9737, 75.5632, 69.2897**, and **16.6732, 18.2945, 14.9643** is the 20% darker color. If you saturate the color by 10%, you get **35.7198, 39.8118, 28.6500**, and if you desaturate by 10%, it is **38.9171, 41.1341, 43.5240**.

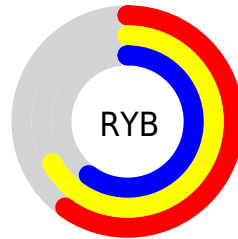
Distribution



Red (67%)

Green (67%)

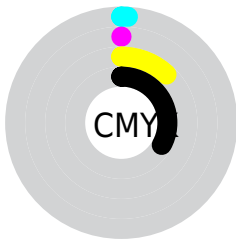
Blue (60%)



Red (60%)

Yellow (67%)

Blue (60%)

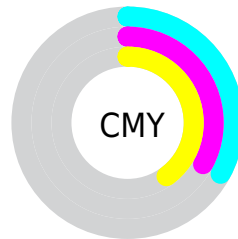


Cyan (1%)

Magenta (0%)

Yellow (12%)

Black (33%)



Cyan (33%)


Magenta (33%)


Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.2146, 40.4300, 35.5481 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 37.2146, 40.4300, 35.5481 by changing the saturation by 10% instead.


 37.2146, 40.4300,
35.5481


 37.2146, 40.4300,
35.5481


325.5781,
347.9326, 341.9585

 25.5481, 27.8740,
23.7985


 70.2144, 75.8179,
69.4952

 16.6168, 18.2307,
14.9734


 92.2785, 99.4185,
92.5297

 10.0553, 11.1157,
8.6543


118.5391,
127.4694, 120.1629

 5.4982, 6.1447,
4.4227

149.3616,
160.3551, 152.8134

 2.5801, 2.9333,
1.8600

185.1114,
198.4598, 190.8996

 0.9358, 1.0970,
0.4671

226.1539,

 0.0000, 0.0000,

242.1681, 234.8402

0.0000

272.8543,
291.8642, 285.0537

■ 37.2146, 40.4300,
35.5481

■ 37.2146, 40.4300,
35.5481

■ 35.7198, 39.8118,
28.6500

■ 38.9171, 41.1341,
43.5240

■ 34.4208, 39.2706,
22.7811

■ 40.8324, 41.9222,
52.6186

■ 33.3092, 38.8046,
17.8928

■ 42.9692, 42.7990,
62.8735

■ 32.3748, 38.4097,
13.9315

■ 45.3350, 43.7675,
74.3277

■ 31.6066, 38.0813,
10.8387

■ 47.9368, 44.8306,
87.0183

■ 30.9920, 37.8145,
8.5490

■ 50.7485, 45.9778,
100.8076

■ 30.5171, 37.6037,
6.9879

■ 50.9445, 46.0789,
100.8168

■ 30.1649, 37.4422,
6.0670

■ 51.1419, 46.1806,
100.8260

■ 29.9341, 37.3327,
5.6282

■ 51.3404, 46.2829,
100.8353

Harmonies

Analogous

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



38.9541, 40.4300, 35.0832



37.2146, 40.4300, 35.5481



35.8403, 40.4300, 38.1885

Triad

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



37.2146, 40.4300, 35.5481



36.3328, 40.4300, 52.0475



41.8862, 40.4300, 45.5399

Complementary

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



37.2146, 40.4300, 35.5481



31.8131, 32.2084, 43.5721

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.



41.1363, 40.4300, 50.4199



37.2146, 40.4300, 35.5481



37.9056, 40.4300, 54.3617

Square

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



37.2146, 40.4300, 35.5481



35.3422, 40.4300, 47.6264



39.6665, 40.4300, 53.7443



41.6874, 40.4300, 40.6030

Rectangle

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



37.2146, 40.4300, 35.5481



35.2988, 40.4300, 40.9464



39.6665, 40.4300, 53.7443



41.7359, 40.4300, 47.2466

Sweetspot

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



37.2157, 40.4318, 35.5490



70.1345, 74.4284, 76.7717



34.0733, 33.8211, 34.4386



15.1866, 16.1522, 16.4244



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



37.2157, 40.4318, 35.5490



66.7642, 73.0361, 61.0212



35.1195, 39.3511, 35.4509



8.6224, 9.3094, 8.5558



22.2887, 27.7873, 4.1888



0.6319, 0.7791, 0.1171

Inverse Universe

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



31.8131, 32.2084, 43.5721



54.9676, 55.0800, 78.5402



33.7801, 33.2225, 43.6641



7.6147, 7.7757, 10.0522



5.6358, 2.2653, 29.1847



0.1686, 0.0691, 0.8124

Previews

White Background



This preview shows how the XYZ color 37.2146, 40.4300, 35.5481 looks on a white background.

Color Contrast Check

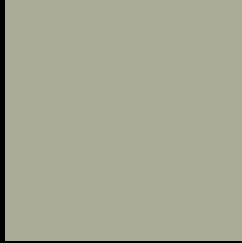
Large Text (above 18pt) WCAG AA × Fail

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 37.2146, 40.4300, 35.5481 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

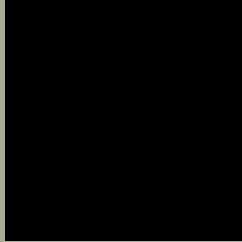
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

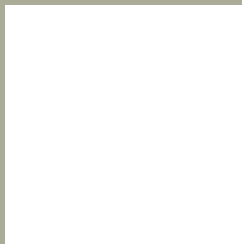
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.2146, 40.4300, 35.5481

Background



This preview shows how black text looks on a background with the XYZ color 37.2146, 40.4300, 35.5481.



This preview shows how white text looks on a background with the XYZ color 37.2146, 40.4300,

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

37.2146, 40.4300, 35.5481

Protanopia

38.3207, 40.4488, 35.0658

Deuteranopia

41.1005, 40.2215, 36.1691



Tritanopia

40.0223, 40.4554, 49.4153

Trichromacy



Original Color

37.2146, 40.4300, 35.5481

Protanomaly

37.8280, 40.4741, 35.0967

Deuteranomaly

39.5761, 40.2516, 35.8204

Tritanomaly

38.8992, 40.2769, 43.7542

Monochromacy



Original Color

37.2146, 40.4300, 35.5481

Achromatopsia

37.7116, 39.6755, 43.2066

Achromatomaly

37.5631, 39.9398, 40.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2146, 40.4300, 35.5481 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(171, 172, 152)` looks like.

```
.text, #text, p{  
    color:rgb(171, 172, 152)  
}
```

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(171, 172, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 172, 152) }
```

Border

The CSS property to change the border of an element to XYZ 37.2146, 40.4300, 35.5481 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(171, 172, 152) }
```


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

```
.border{ border-color:rgb(171, 172, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 172, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 172, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 172, 152);  
box-shadow:4px 4px 4px 4px rgb(171, 172,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2146, 40.4300, 35.5481 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 172, 152) }
```

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

```
.background{ background-color: rgb(171,  
172, 152) }
```

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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