

Converting Colors

XYZ(35.7847, 40.3509, 44.7413)

Have a look what the booklet for
XYZ(35.7847, 40.3509, 44.7413)
contains.

XYZ(35.9132, 40.4108, 44.9370)	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(35.9132, 40.4108,
44.9370)**

Conversions

Conversions Part 1

Format	Color
Hex	99AFAC
RGB	153, 175, 172
RGB Percent	60%, 69%, 67%
CMY	0.4000, 0.3137, 0.3255
CMYK	0.13, 0.00, 0.02, 0.31
HSL	172°, 12%, 64%
HSV	172°, 13%, 69%
XYZ	35.9132, 40.4108, 44.9370
YIQ	168.0800, -12.1490, -5.5970

Conversions

Conversions Part 2

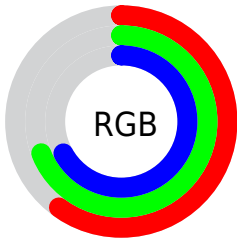
Format	Color
RYB	153, 165, 175
Decimal	10071980
CIELab	69.76, -8.19, -1.04
CIElCh	70, 8.254, 187.251
Yxy	40.4108, 0.2962, 0.3333
Android (android.graphics.Color)	4288262060 (0xFF99AFAC)
YUV	168.0800, 1.9326, -13.2252
Hunter-Lab	63.5695, -10.4041, 2.5868

Details

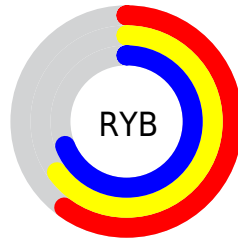
The XYZ color **35.9132, 40.4108, 44.9370** is a light color, and the websafe version is hex **999999**. A complement of this color would be **35.0726, 34.2977, 36.2258**, and the grayscale version is **37.2547, 39.1949, 42.6832**.

A 20% lighter version of the original color is **68.1732, 75.9633, 83.7423**, and **15.9526, 18.3468, 20.4698** is the 20% darker color. If you saturate the color by 10%, you get **32.6223, 38.7417, 43.5971**, and if you desaturate by 10%, it is **39.6950, 42.3347, 46.3230**.

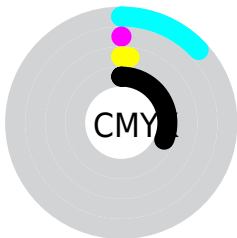
Distribution



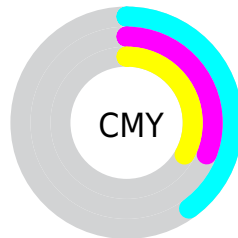
- Red (60%)
- Green (69%)
- Blue (67%)



- Red (60%)
- Yellow (65%)
- Blue (69%)



- Cyan (13%)
- Magenta (0%)
- Yellow (2%)
- Black (31%)



- Cyan (40%)
- Magenta (31%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.9132, 40.4108, 44.9370 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 35.9132, 40.4108, 44.9370 by changing the saturation by 10% instead.

■ 35.9132, 40.4108,
44.9370

■ 35.9132, 40.4108,
44.9370

320.0189,
347.8520, 382.6710

■ 24.5370, 27.8590,
31.0652

■ 68.2228, 75.7887,
83.9433

■ 15.8593, 18.2194,
20.3896

■ 89.8869, 99.3835,
109.9149

■ 9.5149, 11.1076,
12.4917

115.7110,
127.4281, 140.7569

■ 5.1383, 6.1393,
6.9529

146.0604,
160.3069, 176.8878

■ 2.3642, 2.9299,
3.3547

181.3006,
198.4043, 218.7261

■ 0.8272, 1.0953,
1.2785

221.7968,

■ 0.0000, 0.0000,

242.1047, 266.6904

0.0440

267.9144,
291.7925, 321.1992

■ 0.0000, 0.0000,
0.0000

■ 35.9132, 40.4108,
44.9370

■ 35.9132, 40.4108,
44.9370

■ 32.6223, 38.7417,
43.5971

■ 39.6950, 42.3347,
46.3230

■ 29.7979, 37.3114,
42.2997

■ 43.9839, 44.5185,
47.7536

■ 27.4184, 36.1101,
41.0443

■ 48.7999, 46.9735,
49.2306

■ 25.4595, 35.1251,
39.8299

■ 54.1605, 49.7089,
50.7549

■ 23.8944, 34.3426,
38.6549

■ 60.0826, 52.7332,
52.3274

■ 22.6930, 33.7472,
37.5179

■ 65.4688, 55.4807,
53.8969

■ 21.8211, 33.3212,
36.4172

■ 65.7255, 55.5834,
55.2486

■ 21.2379, 33.0435,
35.3507

■ 65.9864, 55.6877,
56.6227

■ 20.9266, 32.8998,
34.5776

■ 66.2517, 55.7938,
58.0194

Harmonies

Analogous

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



36.0852, 40.4108, 41.2123



35.9132, 40.4108, 44.9370



36.3975, 40.4108, 48.6128

Triad

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



35.9132, 40.4108, 44.9370



39.9877, 40.4108, 50.1299



39.4127, 40.4108, 37.5493

Complementary

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



35.9132, 40.4108, 44.9370



35.0726, 34.2977, 36.2258

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.



40.4937, 40.4108, 39.6895



35.9132, 40.4108, 44.9370



40.8310, 40.4108, 46.9117

Square

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



35.9132, 40.4108, 44.9370



38.7349, 40.4108, 51.7219



41.0184, 40.4108, 43.0771



38.0855, 40.4108, 37.0885

Rectangle

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



35.9132, 40.4108, 44.9370



37.0342, 40.4108, 50.4929



41.0184, 40.4108, 43.0771



39.8179, 40.4108, 38.0899

Sweetspot

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



35.9144, 40.4125, 44.9379



70.0184, 75.2717, 82.5824



34.8493, 40.0595, 36.0330



15.4459, 16.6707, 18.3134



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



35.9144, 40.4125, 44.9379



62.6498, 71.5264, 79.8254



34.7496, 37.6163, 45.9886



8.1886, 9.0530, 10.0182



15.0021, 23.5661, 24.8487



0.4301, 0.6607, 0.7582

Inverse Universe

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



35.0726, 34.2977, 36.2258



60.8539, 58.4784, 61.2363



36.1228, 36.8001, 35.3368



8.0481, 8.0325, 8.5641



12.7917, 6.5792, 1.2826



0.3694, 0.1884, 0.1068

Previews

White Background



This preview shows how the XYZ color 35.9132, 40.4108, 44.9370 looks on a white background.

Color Contrast Check

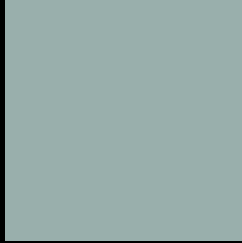
Large Text (above 18pt) WCAG AA × Fail

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 35.9132, 40.4108, 44.9370 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

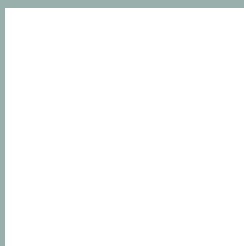
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.9132, 40.4108, 44.9370

Background



This preview shows how black text looks on a background with the XYZ color 35.9132, 40.4108, 44.9370.



This preview shows how white text looks on a background with the XYZ color 35.9132, 40.4108,

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

35.9132, 40.4108, 44.9370

Protanopia

38.5830, 40.1247, 43.2474

Deuteranopia

41.1027, 40.2805, 45.6530



Tritanopia

37.6235, 40.5429, 52.8563

Trichromacy



Original Color

35.9132, 40.4108, 44.9370

Protanomaly

37.5445, 40.1351, 43.7983

Deuteranomaly

38.9644, 40.2773, 45.2558

Tritanomaly

37.0971, 40.6181, 50.1408

Monochromacy



Original Color

35.9132, 40.4108, 44.9370

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

36.8286, 39.7769, 43.2728

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.9132, 40.4108, 44.9370 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(153, 175, 172)` looks like.

```
.text, #text, p{  
    color:rgb(153, 175, 172)  
}
```

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(153, 175, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 175, 172) }
```

Border

The CSS property to change the border of an element to XYZ 35.9132, 40.4108, 44.9370 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(153, 175, 172) }
```


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

```
.border{ border-color:rgb(153, 175, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 175, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 175, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 175, 172);  
box-shadow:4px 4px 4px 4px rgb(153, 175,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 35.9132, 40.4108, 44.9370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 175, 172) }
```

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

```
.background{ background-color: rgb(153,  
175, 172) }
```

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