

Converting Colors

XYZ(33.7153, 39.4497, 41.1142)

Have a look what the booklet for
XYZ(33.7153, 39.4497, 41.1142)
contains.

XYZ(33.7079, 39.3600, 40.9426)	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(33.7079, 39.3600,
40.9426)**

Conversions

Conversions Part 1

Format	Color
Hex	91AFA4
RGB	145, 175, 164
RGB Percent	57%, 69%, 64%
CMY	0.4314, 0.3137, 0.3569
CMYK	0.17, 0.00, 0.06, 0.31
HSL	158°, 16%, 63%
HSV	158°, 17%, 69%
XYZ	33.7079, 39.3600, 40.9426
YIQ	164.7760, -14.3490, -9.7810

Conversions

Conversions Part 2

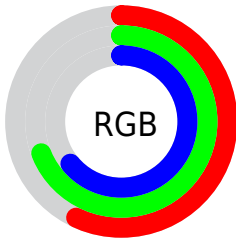
Format	Color
RYB	145, 163, 175
Decimal	9547684
CIELab	69.01, -12.51, 2.22
CIELCh	69, 12.706, 169.960
Yxy	39.3600, 0.2957, 0.3452
Android (android.graphics.Color)	4287737764 (0xFF91AFA4)
YUV	164.7760, -0.3826, -17.3436
Hunter-Lab	62.7375, -13.8855, 5.2236

Details

The XYZ color **33.7079, 39.3600, 40.9426** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.8068, 31.7662, 35.8040**, and the grayscale version is **35.6645, 37.5218, 40.8612**.

A 20% lighter version of the original color is **64.9153, 74.4084, 77.9587**, and **14.6237, 17.7155, 17.9779** is the 20% darker color. If you saturate the color by 10%, you get **30.2937, 37.6663, 37.8338**, and if you desaturate by 10%, it is **37.6286, 41.3136, 44.2295**.

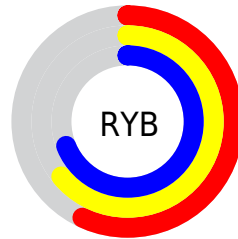
Distribution



Red (57%)

Green (69%)

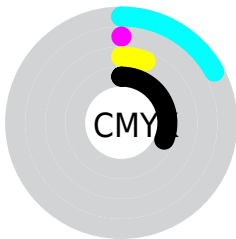
Blue (64%)



Red (57%)

Yellow (64%)

Blue (69%)

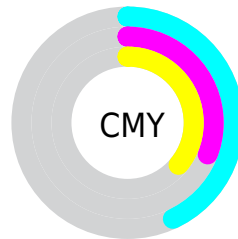


Cyan (17%)

Magenta (0%)

Yellow (6%)

Black (31%)



Cyan (43%)

Magenta (31%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7079, 39.3600, 40.9426 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 33.7079, 39.3600, 40.9426 by changing the saturation by 10% instead.

■ 33.7079, 39.3600,
40.9426

■ 33.7079, 39.3600,
40.9426

310.4365,
343.4186, 365.7502

■ 22.8311, 27.0399,
27.9549

■ 64.8265, 74.1880,
77.8495

■ 14.5889, 17.6032,
18.0529

■ 85.7990, 97.4646,
102.6057

■ 8.6158, 10.6655,
10.8181

110.8675,
125.1622, 132.1218

■ 4.5465, 5.8424,
5.8320

140.3972,
157.6652, 166.8164

■ 2.0157, 2.7495,
2.6761

174.7537,
195.3579, 207.1080

■ 0.6428, 1.0024,
0.9314

214.3021,

■ 0.0000, 0.0000,

238.6248, 253.4152

0.0000

259.4079,
287.8503, 306.1564

■ 33.7079, 39.3600,
40.9426

■ 33.7079, 39.3600,
40.9426

■ 30.2937, 37.6663,
37.8338

■ 37.6286, 41.3136,
44.2295

■ 27.3606, 36.2162,
34.8972

■ 42.0732, 43.5328,
47.6949

■ 24.8859, 34.9991,
32.1302

■ 47.0623, 46.0292,
51.3429

■ 22.8438, 34.0018,
29.5293

■ 52.6145, 48.8123,
55.1763

■ 21.2055, 33.2095,
27.0908

■ 58.7472, 51.8912,
59.1980

■ 19.9391, 32.6058,
24.8108

■ 65.4774, 55.2745,
63.4109

■ 19.0071, 32.1714,
22.6849

■ 68.0701, 56.5211,
67.5953

■ 18.3547, 31.8782,
20.7081

■ 68.8806, 56.8453,
71.8634

■ 18.1903, 31.8052,
20.1690

■ 69.7235, 57.1825,
76.3021

Harmonies

Analogous

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



34.5095, 39.3600, 36.0789



33.7079, 39.3600, 40.9426



33.8706, 39.3600, 46.7746

Triad

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



33.7079, 39.3600, 40.9426



38.7547, 39.3600, 54.2087



39.9703, 39.3600, 34.8775

Complementary

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



33.7079, 39.3600, 40.9426



33.8068, 31.7662, 35.8040

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.



41.1888, 39.3600, 39.1633



33.7079, 39.3600, 40.9426



40.4696, 39.3600, 50.4335

Square

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



33.7079, 39.3600, 40.9426



36.7362, 39.3600, 54.7942



41.3748, 39.3600, 44.8288



38.0930, 39.3600, 32.7920

Rectangle

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



33.7079, 39.3600, 40.9426



34.5062, 39.3600, 50.4202



41.3748, 39.3600, 44.8288



40.4733, 39.3600, 36.0895

Sweetspot

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



33.7090, 39.3616, 40.9435



68.9478, 74.7656, 80.4600



34.2494, 39.8239, 32.6704



15.2074, 16.5591, 17.7897



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.



33.7090, 39.3616, 40.9435



57.6802, 69.1561, 70.9370



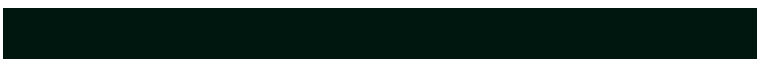
34.0738, 38.4316, 46.1815



8.1098, 9.0215, 9.6033



13.0565, 22.7879, 14.6029



0.3883, 0.6440, 0.5385

Inverse Universe

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



33.8068, 31.7662, 35.8040



57.8927, 52.7001, 59.8051



33.4598, 32.4964, 31.2977



8.1221, 8.0621, 8.9539



13.3544, 6.8043, 4.2458



0.3983, 0.2000, 0.2593

Previews

White Background



This preview shows how the XYZ color 33.7079, 39.3600, 40.9426 looks on a white background.

Color Contrast Check

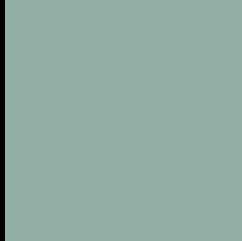
Large Text (above 18pt) WCAG AA × Fail

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 33.7079, 39.3600, 40.9426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

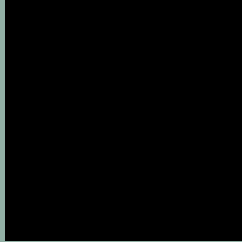
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.7079, 39.3600, 40.9426

Background



This preview shows how black text looks on a background with the XYZ color 33.7079, 39.3600, 40.9426.



This preview shows how white text looks on a background with the XYZ color 33.7079, 39.3600,

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

33.7079, 39.3600, 40.9426

Protanopia

37.3975, 39.0597, 38.8259

Deuteranopia

40.0798, 39.2987, 42.0322



Tritanopia

35.9039, 39.3974, 51.6111

Trichromacy



Original Color

33.7079, 39.3600, 40.9426

Protanomaly

35.9120, 39.1092, 39.3743

Deuteranomaly

37.2792, 38.9367, 41.6271

Tritanomaly

35.0921, 39.3574, 47.3422

Monochromacy



Original Color

33.7079, 39.3600, 40.9426

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0800, 38.3616, 41.1529

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7079, 39.3600, 40.9426 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(145, 175, 164)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 164)  
}
```

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(145, 175, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 164) }
```

Border

The CSS property to change the border of an element to XYZ 33.7079, 39.3600, 40.9426 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(145, 175, 164) }
```


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

```
.border{ border-color:rgb(145, 175, 164) }
```

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

Here you see how a box with a 4 pixel rgb(145, 175, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 175, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 175, 164);  
box-shadow:4px 4px 4px 4px rgb(145, 175,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7079, 39.3600, 40.9426 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 164) }
```

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

```
.background{ background-color: rgb(145,  
175, 164) }
```

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