

Converting Colors

XYZ(32.8989, 38.7262, 37.6392)

Have a look what the booklet for
XYZ(32.8989, 38.7262, 37.6392)
contains.

XYZ(32.8989, 38.7262, 37.6392)	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(32.8989, 38.7262,
37.6392)**

Conversions

Conversions Part 1

Format	Color
Hex	91AE9D
RGB	145, 174, 157
RGB Percent	57%, 68%, 62%
CMY	0.4314, 0.3176, 0.3843
CMYK	0.17, 0.00, 0.10, 0.32
HSL	145°, 15%, 63%
HSV	145°, 17%, 68%
XYZ	32.8989, 38.7262, 37.6392
YIQ	163.3910, -11.8270, -11.4350

Conversions

Conversions Part 2

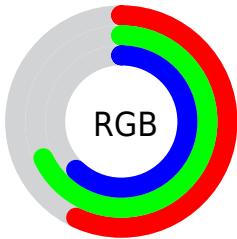
Format	Color
R _Y B	145, 166, 174
Decimal	9547421
CIE Lab	68.55, -13.39, 5.42
CIE LCh	69, 14.442, 157.975
Yxy	38.7262, 0.3011, 0.3544
Android (android.graphics.Color)	4287737501 (0xFF91AE9D)
YUV	163.3910, -3.1508, -16.1289
Hunter-Lab	62.2304, -14.5368, 7.7005

Details

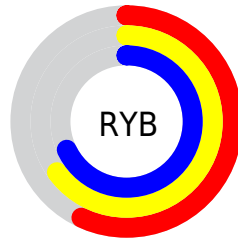
The XYZ color **32.8989, 38.7262, 37.6392** is a light color, and the websafe version is hex **669999**. A complement of this color would be **34.1039, 31.8590, 38.5361**, and the grayscale version is **35.0169, 36.8405, 40.1193**.

A 20% lighter version of the original color is **63.7337, 73.4892, 73.1131**, and **14.1771, 17.3394, 16.2353** is the 20% darker color. If you saturate the color by 10%, you get **29.2298, 36.9322, 33.1098**, and if you desaturate by 10%, it is **37.1126, 40.7946, 42.5754**.

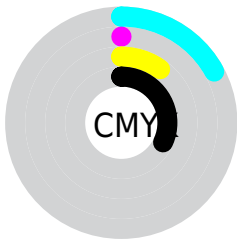
Distribution



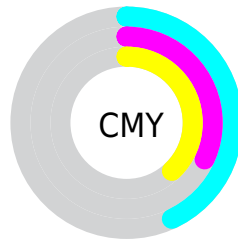
- Red (57%)
- Green (68%)
- Blue (62%)



- Red (57%)
- Yellow (65%)
- Blue (68%)



- Cyan (17%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)



- Cyan (43%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8989, 38.7262, 37.6392 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 32.8989, 38.7262, 37.6392 by changing the saturation by 10% instead.

■ 32.8989, 38.7262,
37.6392

■ 32.8989, 38.7262,
37.6392

306.8670,
340.7250, 351.3214

■ 22.2079, 26.5468,
25.4031

■ 63.5734, 73.2199,
72.7521

■ 14.1272, 17.2331,
16.1559

■ 84.2876, 96.3029,
96.4659

■ 8.2915, 10.4009,
9.4790

109.0735,
123.7893, 124.8428

■ 4.3354, 5.6655,
4.9539

138.2965,
156.0634, 158.3013

■ 1.8936, 2.6428,
2.1619

172.3221,
193.5096, 197.2598

■ 0.5731, 0.9482,
0.6523

211.5154,

■ 0.0000, 0.0000,

236.5124, 242.1370

0.0000

256.2419,
285.4560, 293.3513

■ 32.8989, 38.7262,
37.6392

■ 32.8989, 38.7262,
37.6392

■ 29.2298, 36.9322,
33.1098

■ 37.1126, 40.7946,
42.5754

■ 26.0789, 35.3962,
28.9742

■ 41.8892, 43.1436,
47.9256

■ 23.4225, 34.1070,
25.2226

■ 47.2502, 45.7850,
53.7004

■ 21.2337, 33.0512,
21.8438

■ 53.2151, 48.7288,
59.9089

■ 19.4830, 32.2137,
18.8259

■ 59.8024, 51.9843,
66.5601

■ 18.1373, 31.5776,
16.1564

■ 67.0296, 55.5604,
73.6627

■ 17.1582, 31.1235,
13.8220

■ 70.4370, 57.1577,
81.0156

■ 16.4929, 30.8245,
11.8081

■ 71.8989, 57.7425,
88.7140

■ 16.3064, 30.7414,
11.2044

■ 73.4459, 58.3613,
96.8601

Harmonies

Analogous

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



34.1807, 38.7262, 33.0391



32.8989, 38.7262, 37.6392



32.6425, 38.7262, 43.9290

Triad

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



32.8989, 38.7262, 37.6392



37.4185, 38.7262, 55.8341



40.3662, 38.7262, 34.9157

Complementary

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



32.8989, 38.7262, 37.6392



34.1039, 31.8590, 38.5361

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.



41.3138, 38.7262, 40.4513



32.8989, 38.7262, 37.6392



39.5667, 38.7262, 52.8362

Square

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



32.8989, 38.7262, 37.6392



35.1914, 38.7262, 54.8829



41.0153, 38.7262, 47.0425



38.4735, 38.7262, 31.5833

Rectangle

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



32.8989, 38.7262, 37.6392



33.0773, 38.7262, 48.3222



41.0153, 38.7262, 47.0425



40.8093, 38.7262, 36.5567

Sweetspot

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



32.9000, 38.7278, 37.6401



68.6147, 74.6324, 78.7061



35.2300, 40.0416, 32.6605



15.1237, 16.5256, 17.3491



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.



32.9000, 38.7278, 37.6401



57.1082, 68.9885, 65.1586



34.1746, 39.2377, 44.3523



8.0368, 8.9923, 9.2186



11.8547, 22.3071, 8.2744



0.3574, 0.6316, 0.3758

Inverse Universe

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



34.1039, 31.8590, 38.5361



59.7068, 54.1611, 67.0912



32.9195, 31.3853, 32.2990



8.1947, 8.0911, 9.3363



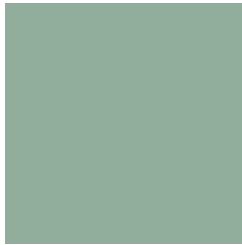
14.4304, 7.2347, 9.9119



0.4278, 0.2118, 0.4146

Previews

White Background



This preview shows how the XYZ color 32.8989, 38.7262, 37.6392 looks on a white background.

Color Contrast Check

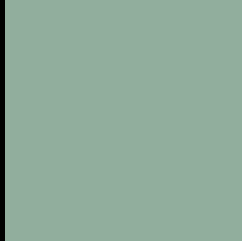
Large Text (above 18pt) WCAG AA × Fail

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 32.8989, 38.7262, 37.6392 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

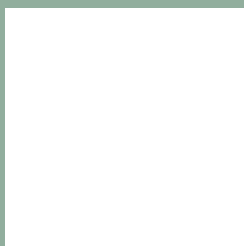
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8989, 38.7262, 37.6392

Background



This preview shows how black text looks on a background with the XYZ color 32.8989, 38.7262, 37.6392.



This preview shows how white text looks on a background with the XYZ color 32.8989, 38.7262,

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

32.8989, 38.7262, 37.6392

Protanopia

36.6196, 38.4566, 35.6298

Deuteranopia

39.3397, 38.4669, 38.6091



Tritanopia

35.6041, 38.6942, 50.9396

Trichromacy



Original Color

32.8989, 38.7262, 37.6392

Protanomaly

35.1250, 38.4956, 36.1510

Deuteranomaly

36.6888, 38.4336, 38.2856

Tritanomaly

34.4156, 38.4777, 45.6574

Monochromacy



Original Color

32.8989, 38.7262, 37.6392

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.9620, 37.2786, 39.1237

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8989, 38.7262, 37.6392 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, 174, 157)` looks like.

```
.text, #text, p{  
    color:rgb(145, 174, 157)  
}
```

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, 174, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 174, 157) }
```

Border

The CSS property to change the border of an element to XYZ 32.8989, 38.7262, 37.6392 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, 174, 157) }
```


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

```
.border{ border-color:rgb(145, 174, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 174, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(145, 174,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8989, 38.7262, 37.6392 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 174, 157) }
```

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

```
.background{ background-color: rgb(145,  
174, 157) }
```

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