

Converting Colors

XYZ(32.8231, 36.0313, 37.8271)

Have a look what the booklet for
XYZ(32.8231, 36.0313, 37.8271)
contains.

XYZ(32.8599, 35.9241, 38.0030)	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(32.8599, 35.9241,
38.0030)**

Conversions

Conversions Part 1

Format	Color
Hex	9AA49F
RGB	154, 164, 159
RGB Percent	60%, 64%, 62%
CMY	0.3961, 0.3568, 0.3765
CMYK	0.06, 0.00, 0.03, 0.36
HSL	150°, 5%, 62%
HSV	150°, 6%, 64%
XYZ	32.8599, 35.9241, 38.0030
YIQ	160.4400, -4.3550, -3.6750

Conversions

Conversions Part 2

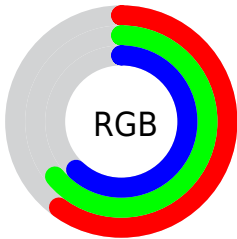
Format	Color
RYB	154, 161, 164
Decimal	10134687
CIELab	66.46, -4.52, 1.36
CIELCh	66, 4.716, 163.232
Yxy	35.9241, 0.3077, 0.3364
Android (android.graphics.Color)	4288324767 (0xFF9AA49F)
YUV	160.4400, -0.7099, -5.6479
Hunter-Lab	59.9367, -7.0278, 4.3628

Details

The XYZ color **32.8599, 35.9241, 38.0030** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.1248, 33.5079, 37.5245**, and the grayscale version is **33.6222, 35.3731, 38.5213**.

A 20% lighter version of the original color is **63.4815, 68.9280, 73.5769**, and **14.0945, 15.5546, 16.4468** is the 20% darker color. If you saturate the color by 10%, you get **29.2610, 34.1494, 34.2418**, and if you desaturate by 10%, it is **36.9346, 37.9407, 42.0346**.

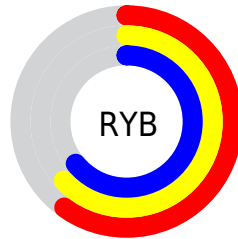
Distribution



Red (60%)

Green (64%)

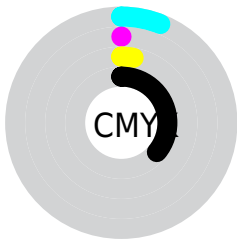
Blue (62%)



Red (60%)

Yellow (63%)

Blue (64%)

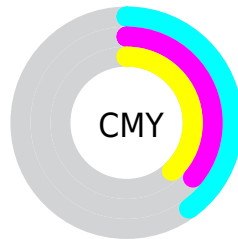


Cyan (6%)

Magenta (0%)

Yellow (3%)

Black (36%)



Cyan (40%)

Magenta (36%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.8599, 35.9241, 38.0030 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 32.8599, 35.9241, 38.0030 by changing the saturation by 10% instead.

■ 32.8599, 35.9241,
38.0030

■ 32.8599, 35.9241,
38.0030

306.6941,
328.6287, 352.9314

■ 22.1779, 24.3756,
25.6832

■ 63.5129, 68.9149,
73.3162

■ 14.1050, 15.6125,
16.3631

■ 84.2145, 91.1260,
97.1467

■ 8.2759, 9.2503,
9.6243

108.9868,
117.6600, 125.6511

■ 4.3253, 4.9048,
5.0483

138.1949,
148.9014, 159.2480

■ 1.8878, 2.1915,
2.2164

172.2044,
185.2346, 198.3559

■ 0.5697, 0.7154,
0.6838

211.3805,

■ 0.0000, 0.0000,

227.0440, 243.3935

0.0000

256.0886,
274.7138, 294.7791

■ 32.8599, 35.9241,
38.0030

■ 32.8599, 35.9241,
38.0030

■ 29.2610, 34.1494,
34.2418

■ 36.9346, 37.9407,
42.0346

■ 26.1168, 32.6026,
30.7429

■ 41.4991, 40.2032,
46.3396

■ 23.4090, 31.2756,
27.5015

■ 46.5706, 42.7215,
50.9241

■ 21.1168, 30.1578,
24.5115

■ 52.1647, 45.5034,
55.7931

■ 19.2179, 29.2377,
21.7666

■ 58.2962, 48.5564,
60.9516

■ 17.6875, 28.5026,
19.2603

■ 64.9791, 51.8878,
66.4045

■ 16.4980, 27.9385,
16.9856

■ 66.9650, 52.7918,
71.9101

■ 15.6176, 27.5291,
14.9352

■ 68.0550, 53.2278,
77.6504

■ 15.0030, 27.2522,
13.1011

■ 69.1989, 53.6853,
83.6737

Harmonies

Analogous

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



33.2223, 35.9241, 36.3472



32.8599, 35.9241, 38.0030



32.8387, 35.9241, 40.0130

Triad

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



32.8599, 35.9241, 38.0030



34.4568, 35.9241, 43.0280



35.1446, 35.9241, 36.5092

Complementary

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



32.8599, 35.9241, 38.0030



33.1248, 33.5079, 37.5245

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.



35.4850, 35.9241, 38.2310



32.8599, 35.9241, 38.0030



35.0842, 35.9241, 42.0203

Square

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



32.8599, 35.9241, 38.0030



33.7542, 35.9241, 42.9618



35.4627, 35.9241, 40.2490



34.5384, 35.9241, 35.5054

Rectangle

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



32.8599, 35.9241, 38.0030



33.0205, 35.9241, 41.2874



35.4627, 35.9241, 40.2490



35.2943, 35.9241, 37.0206

Sweetspot

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



32.8609, 35.9256, 38.0038



62.5426, 66.6401, 71.8918



33.4406, 36.2736, 35.8115



13.6919, 14.5782, 15.7357



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



32.8609, 35.9256, 38.0038



58.9310, 64.8551, 68.2522



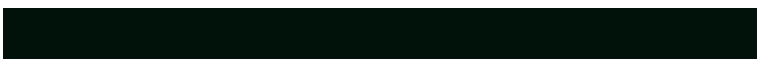
33.2889, 36.0968, 40.2577



7.2817, 8.0281, 8.4367



11.3701, 20.8344, 9.6657



0.2628, 0.4473, 0.3287

Inverse Universe

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



33.1248, 33.5079, 37.5245



59.4873, 59.7585, 67.2419



32.7132, 33.3433, 35.3570



7.3532, 7.3728, 8.3068



12.9313, 6.5286, 6.8291



0.2956, 0.1467, 0.2691

Previews

White Background



This preview shows how the XYZ color 32.8599, 35.9241, 38.0030 looks on a white background.

Color Contrast Check

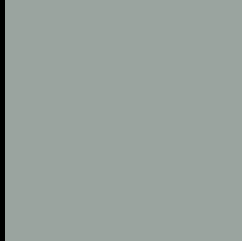
Large Text (above 18pt) WCAG AA × Fail

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 32.8599, 35.9241, 38.0030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

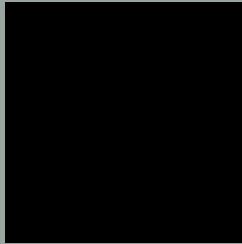
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

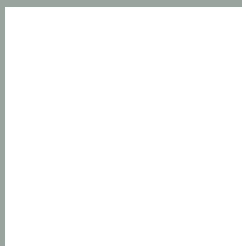
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.8599, 35.9241, 38.0030

Background



This preview shows how black text looks on a background with the XYZ color 32.8599, 35.9241, 38.0030.



This preview shows how white text looks on a background with the XYZ color 32.8599, 35.9241,

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

32.8599, 35.9241, 38.0030

Protanopia

34.3477, 35.9234, 37.0219

Deuteranopia

36.4530, 35.6973, 38.6872



Tritanopia

34.4649, 36.0648, 45.1891

Trichromacy



Original Color

32.8599, 35.9241, 38.0030

Protanomaly

33.7898, 35.8864, 37.4936

Deuteranomaly

35.1055, 35.7694, 38.3116

Tritanomaly

33.9689, 36.1269, 42.7189

Monochromacy



Original Color

32.8599, 35.9241, 38.0030

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

33.1906, 35.2969, 38.3214

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.8599, 35.9241, 38.0030 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(154, 164, 159)` looks like.

```
.text, #text, p{  
    color:rgb(154, 164, 159)  
}
```

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(154, 164, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 164, 159) }
```

Border

The CSS property to change the border of an element to XYZ 32.8599, 35.9241, 38.0030 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(154, 164, 159) }
```


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

```
.border{ border-color:rgb(154, 164, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 164, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 164, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 164, 159);  
box-shadow:4px 4px 4px 4px rgb(154, 164,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 32.8599, 35.9241, 38.0030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 164, 159) }
```

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

```
.background{ background-color: rgb(154,  
164, 159) }
```

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