

Converting Colors

XYZ(32.1518, 33.3082, 38.4564)

Have a look what the booklet for
XYZ(32.1518, 33.3082, 38.4564)
contains.

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Color

**XYZ(32.0590, 33.1840,
38.4337)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9BA1
RGB	157, 155, 161
RGB Percent	62%, 61%, 63%
CMY	0.3843, 0.3921, 0.3686
CMYK	0.02, 0.04, 0.00, 0.37
HSL	260°, 3%, 62%
HSV	260°, 4%, 63%
XYZ	32.0590, 33.1840, 38.4337
YIQ	156.2820, -0.7340, 2.2900

Conversions

Conversions Part 2

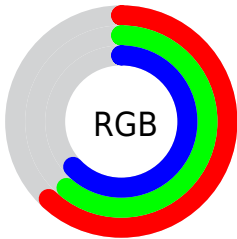
Format	Color
R_{YB}	157, 155, 161
Decimal	10328993
CIE Lab	64.31, 1.89, -2.88
CIE LCh	64, 3.443, 303.231
Yxy	33.1840, 0.3092, 0.3201
Android (android.graphics.Color)	4288519073 (0xFF9D9BA1)
YUV	156.2820, 2.3260, 0.6297
Hunter-Lab	57.6056, -1.4698, 0.7663

Details

The XYZ color **32.0590, 33.1840, 38.4337** is a light color, and the websafe version is hex **999999**. A complement of this color would be **32.9606, 35.2281, 36.0745**, and the grayscale version is **31.7168, 33.3686, 36.3384**.

A 20% lighter version of the original color is **62.3465, 64.5558, 74.1403**, and **13.7086, 14.0906, 16.7491** is the 20% darker color. If you saturate the color by 10%, you get **27.5527, 27.1457, 37.5062**, and if you desaturate by 10%, it is **37.1087, 40.0346, 39.4904**.

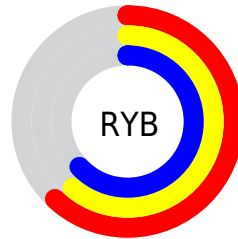
Distribution



Red (62%)

Green (61%)

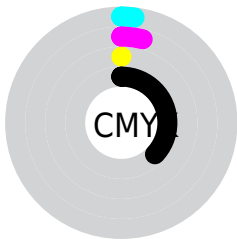
Blue (63%)



Red (62%)

Yellow (61%)

Blue (63%)

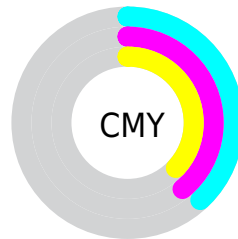


Cyan (2%)

Magenta (4%)

Yellow (0%)

Black (37%)



Cyan (38%)

Magenta (39%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0590, 33.1840, 38.4337 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 32.0590, 33.1840, 38.4337 by changing the saturation by 10% instead.

■ 32.0590, 33.1840,
38.4337

■ 32.0590, 33.1840,
38.4337

303.1284,
316.4780, 354.8306

■ 21.5623, 22.2674,
26.0150

■ 62.2681, 64.6627,
73.9832

■ 13.6505, 14.0535,
16.6090

■ 82.7113, 85.9936,
97.9511

■ 7.9580, 8.1579,
9.7971

107.2007,
111.5648, 126.6058

■ 4.1197, 4.1962,
5.1608

136.1017,
141.7606, 160.3659

■ 1.7701, 1.7839,
2.2815

169.7796,
176.9654, 199.6498

■ 0.4995, 0.4771,
0.7208

208.5998,

■ 0.0000, 0.0000,

217.5637, 244.8763

0.0000

252.9276,
263.9397, 296.4637

■ 32.0590, 33.1840,
38.4337

■ 32.0590, 33.1840,
38.4337

■ 27.5527, 27.1457,
37.5062

■ 37.1087, 40.0346,
39.4904

■ 23.5681, 21.8850,
36.7008

■ 42.7166, 47.7221,
40.6786

■ 20.0863, 17.3708,
36.0130

■ 48.9007, 56.2753,
42.0036

■ 17.0861, 13.5684,
35.4372

■ 55.6773, 65.7205,
43.4696

■ 14.5448, 10.4402,
34.9673

■ 63.0618, 76.0826,
45.0804

■ 12.4376, 7.9451,
34.5968

■ 71.0693, 87.3856,
46.8401

■ 10.7371, 6.0372,
34.3181

■ 75.5264, 91.2772,
47.3563

■ 9.4126, 4.6643,
34.1229

■ 79.1229, 93.1313,
47.5246

■ 8.4280, 3.7644,
34.0011

■ 82.9361, 95.0970,
47.7031

Harmonies

Analogous

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



31.5935, 33.1840, 38.8904



32.0590, 33.1840, 38.4337



32.3882, 33.1840, 37.3595

Triad

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



32.0590, 33.1840, 38.4337



31.9662, 33.1840, 33.7781



30.6100, 33.1840, 36.2838

Complementary

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



32.0590, 33.1840, 38.4337



32.9606, 35.2281, 36.0745

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.



30.7075, 33.1840, 34.9312



32.0590, 33.1840, 38.4337



31.4874, 33.1840, 33.5068

Square

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



32.0590, 33.1840, 38.4337



32.3343, 33.1840, 34.6746



31.0274, 33.1840, 33.9236



30.7596, 33.1840, 37.6291

Rectangle

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



32.0590, 33.1840, 38.4337



32.4843, 33.1840, 36.4504



31.0274, 33.1840, 33.9236



30.6150, 33.1840, 35.8149

Sweetspot

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



32.0600, 33.1854, 38.4344



59.7657, 62.6056, 69.3206



32.3671, 34.3736, 38.6476



13.1191, 13.7461, 15.2055



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



32.0600, 33.1854, 38.4344



57.1171, 59.0286, 68.7698



32.6326, 33.4807, 38.4612



7.4126, 7.6410, 8.9872



6.3761, 2.6935, 27.1136



0.1824, 0.0815, 0.5720

Inverse Universe

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



32.6785, 33.5245, 37.5511



58.3268, 59.6917, 67.0405



32.3921, 34.9351, 36.0479



7.5923, 7.7395, 8.7299



13.8938, 6.9136, 11.8974



0.3124, 0.1535, 0.3579

Previews

White Background



This preview shows how the XYZ color 32.0590, 33.1840, 38.4337 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 32.0590, 33.1840, 38.4337 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

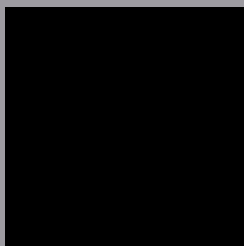
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0590, 33.1840, 38.4337

Background



This preview shows how black text looks on a background with the XYZ color 32.0590, 33.1840, 38.4337.



This preview shows how white text looks on a background with the XYZ color 32.0590, 33.1840,

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

32.0590, 33.1840, 38.4337

Protanopia

32.0590, 33.1840, 38.4337

Deuteranopia

33.7366, 33.0667, 38.7868



Tritanopia

32.5391, 33.1335, 40.7568

Trichromacy



Original Color

32.0590, 33.1840, 38.4337

Protanomaly

32.0590, 33.1840, 38.4337

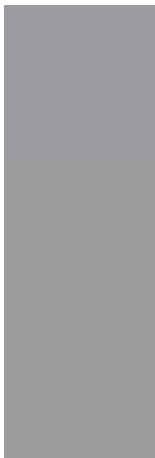
Deuteranomaly

33.0597, 32.9576, 38.8014

Tritanomaly

32.3570, 33.0606, 39.7979

Monochromacy



Original Color

32.0590, 33.1840, 38.4337

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

31.7703, 33.3135, 37.1034

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0590, 33.1840, 38.4337 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(157, 155, 161)` looks like.

```
.text, #text, p{  
    color:rgb(157, 155, 161)  
}
```

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(157, 155, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 155, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.0590, 33.1840, 38.4337 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(157, 155, 161) }
```


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

```
.border{ border-color:rgb(157, 155, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 155, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 155, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 155, 161);  
box-shadow:4px 4px 4px 4px rgb(157, 155,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0590, 33.1840, 38.4337 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 155, 161) }
```

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

```
.background{ background-color: rgb(157,  
155, 161) }
```

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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