

Converting Colors

XYZ(31.9978, 33.4249, 38.6846)

Have a look what the booklet for
XYZ(31.9978, 33.4249, 38.6846)
contains.

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Color

**XYZ(32.0318, 33.4181,
38.4803)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9CA1
RGB	156, 156, 161
RGB Percent	61%, 61%, 63%
CMY	0.3882, 0.3882, 0.3686
CMYK	0.03, 0.03, 0.00, 0.37
HSL	240°, 3%, 62%
HSV	240°, 3%, 63%
XYZ	32.0318, 33.4181, 38.4803
YIQ	156.5700, -1.6050, 1.5550

Conversions

Conversions Part 2

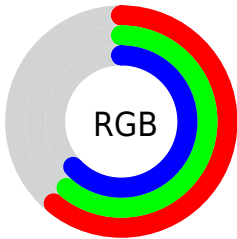
Format	Color
RYB	156, 156, 161
Decimal	10263713
CIELab	64.50, 0.98, -2.61
CIELCh	64, 2.789, 290.493
Yxy	33.4181, 0.3082, 0.3215
Android (android.graphics.Color)	4288453793 (0xFF9C9CA1)
YUV	156.5700, 2.1840, -0.4999
Hunter-Lab	57.8084, -2.2573, 0.9993

Details

The XYZ color **32.0318, 33.4181, 38.4803** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.4436, 35.4667, 36.5361**, and the grayscale version is **31.8466, 33.5051, 36.4871**.

A 20% lighter version of the original color is **62.0196, 64.7527, 74.1955**, and **13.6917, 14.2322, 16.7773** is the 20% darker color. If you saturate the color by 10%, you get **26.5970, 26.8708, 37.5035**, and if you desaturate by 10%, it is **38.2392, 40.8966, 39.5971**.

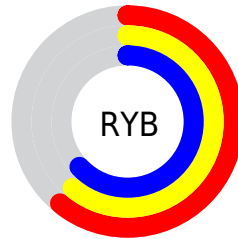
Distribution



Red (61%)

Green (61%)

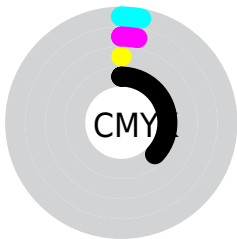
Blue (63%)



Red (61%)

Yellow (61%)

Blue (63%)

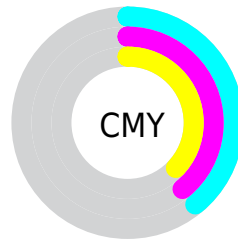


Cyan (3%)

Magenta (3%)

Yellow (0%)

Black (37%)



Cyan (39%)

Magenta (39%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0318, 33.4181, 38.4803 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 32.0318, 33.4181, 38.4803 by changing the saturation by 10% instead.

■ 32.0318, 33.4181,
38.4803

■ 32.0318, 33.4181,
38.4803

303.0068,
317.5295, 355.0356

■ 21.5415, 22.4469,
26.0510

■ 62.2258, 65.0277,
74.0553

■ 13.6351, 14.1857,
16.6357

■ 82.6602, 86.4350,
98.0380

■ 7.9473, 8.2499,
9.8159

107.1399,
112.0897, 126.7089

■ 4.1128, 4.2553,
5.1730

136.0304,
142.3764, 160.4866

■ 1.7661, 1.8174,
2.2886

169.6970,
177.6793, 199.7896

■ 0.4971, 0.4980,
0.7248

208.5050,

■ 0.0000, 0.0000,

218.3828, 245.0364

0.0000

252.8198,
264.8714, 296.6456

■ 32.0318, 33.4181,
38.4803

■ 32.0318, 33.4181,
38.4803

■ 26.5970, 26.8708,
37.5035

■ 38.2392, 40.8966,
39.5971

■ 21.9019, 21.2142,
36.6591

■ 45.2448, 49.3362,
40.8569

■ 17.9153, 16.4111,
35.9421

■ 53.0764, 58.7708,
42.2652

■ 14.6030, 12.4201,
35.3464

■ 61.7599, 69.2314,
43.8266

■ 11.9275, 9.1963,
34.8651

■ 71.3198, 80.7477,
45.5456

■ 9.8482, 6.6905,
34.4911

■ 81.7797, 93.3481,
47.4265

■ 8.3193, 4.8479,
34.2160

■ 83.4331, 95.3532,
47.7263

■ 7.2887, 3.6056,
34.0305

■ 6.6943, 2.8887,
33.9235

Harmonies

Analogous

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



31.6366, 33.4181, 38.5932



32.0318, 33.4181, 38.4803



32.3575, 33.4181, 37.8000

Triad

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



32.0318, 33.4181, 38.4803



32.2527, 33.4181, 34.7203



31.0135, 33.4181, 36.0255

Complementary

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



32.0318, 33.4181, 38.4803



33.4436, 35.4667, 36.5361

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.



31.1756, 33.4181, 35.0089



32.0318, 33.4181, 38.4803



31.8896, 33.4181, 34.2658

Square

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



32.0318, 33.4181, 38.4803



32.4858, 33.4181, 35.6241



31.4955, 33.4181, 34.3703



31.0508, 33.4181, 37.1600

Rectangle

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



32.0318, 33.4181, 38.4803



32.4904, 33.4181, 37.1240



31.4955, 33.4181, 34.3703



31.0464, 33.4181, 35.6590

Sweetspot

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



32.0328, 33.4195, 38.4810



59.5709, 62.5057, 69.3116



32.8813, 35.1285, 38.7276



13.0789, 13.7255, 15.2036



76.7382, 80.7346, 87.9200



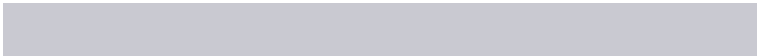
13.3056, 13.9985, 15.2444

Same Dimension

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



32.0328, 33.4195, 38.4810



56.3637, 58.6419, 68.7349



32.5046, 33.6621, 38.5030



7.3011, 7.5838, 8.9821



5.1388, 2.0569, 27.0560



0.1081, 0.0434, 0.5685

Inverse Universe

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



32.5879, 33.7549, 36.2520



57.6601, 59.4251, 63.5297



32.9617, 35.2190, 36.5137



7.4935, 7.7000, 8.2096



11.7393, 6.0518, 0.5517



0.2467, 0.1272, 0.0118

Previews

White Background



This preview shows how the XYZ color 32.0318, 33.4181, 38.4803 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 32.0318, 33.4181, 38.4803 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

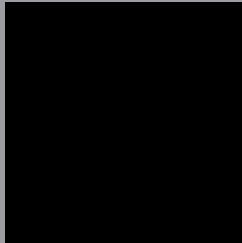
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.0318, 33.4181, 38.4803

Background



This preview shows how black text looks on a background with the XYZ color 32.0318, 33.4181, 38.4803.



This preview shows how white text looks on a background with the XYZ color 32.0318, 33.4181,

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

32.0318, 33.4181, 38.4803

Protanopia

32.2549, 33.2850, 38.4428

Deuteranopia

34.1120, 33.5001, 38.8507



Tritanopia

32.6010, 33.4008, 41.2880

Trichromacy



Original Color

32.0318, 33.4181, 38.4803

Protanomaly

32.0590, 33.1840, 38.4337

Deuteranomaly

33.2227, 33.2836, 38.8558

Tritanomaly

32.4175, 33.3274, 40.3216

Monochromacy



Original Color

32.0318, 33.4181, 38.4803

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.1332, 33.7507, 37.1687

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0318, 33.4181, 38.4803 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(156, 156, 161) looks like.

```
.text, #text, p{  
    color:rgb(156, 156, 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(156, 156, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 156, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.0318, 33.4181, 38.4803 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(156, 156, 161) }
```


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

```
.border{ border-color:rgb(156, 156, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 156, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 156, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 156, 161);  
box-shadow:4px 4px 4px 4px rgb(156, 156,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0318, 33.4181, 38.4803 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 156, 161) }
```

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

```
.background{ background-color: rgb(156,  
156, 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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