

Converting Colors

XYZ(32.2360, 33.7685, 38.5375)

Have a look what the booklet for
XYZ(32.2360, 33.7685, 38.5375)
contains.

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Color

**XYZ(32.2003, 33.7551,
38.5365)**

Conversions

Conversions Part 1

Format	Color
Hex	9C9DA1
RGB	156, 157, 161
RGB Percent	61%, 62%, 63%
CMY	0.3882, 0.3843, 0.3686
CMYK	0.03, 0.02, 0.00, 0.37
HSL	228°, 3%, 62%
HSV	228°, 3%, 63%
XYZ	32.2003, 33.7551, 38.5365
YIQ	157.1570, -1.8800, 1.0320

Conversions

Conversions Part 2

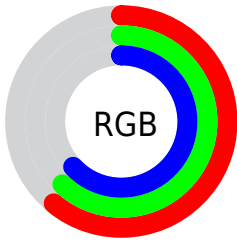
Format	Color
RYB	156, 157, 161
Decimal	10263969
CIELab	64.77, 0.42, -2.22
CIELCh	65, 2.256, 280.805
Yxy	33.7551, 0.3082, 0.3230
Android (android.graphics.Color)	4288454049 (0xFF9C9DA1)
YUV	157.1570, 1.8946, -1.0147
Hunter-Lab	58.0991, -2.7434, 1.3430

Details

The XYZ color **32.2003, 33.7551, 38.5365** is a light color, and the websafe version is hex **999999**. A complement of this color would be **33.2695, 35.1186, 36.4780**, and the grayscale version is **32.1116, 33.7839, 36.7907**.

A 20% lighter version of the original color is **62.5165, 65.7465, 74.3611**, and **13.7942, 14.4371, 16.8115** is the 20% darker color. If you saturate the color by 10%, you get **27.2251, 28.1269, 37.7129**, and if you desaturate by 10%, it is **37.8199, 40.0579, 39.4574**.

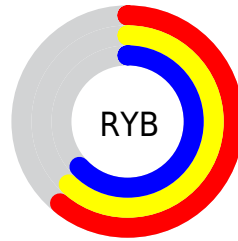
Distribution



Red (61%)

Green (62%)

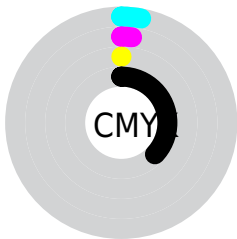
Blue (63%)



Red (61%)

Yellow (62%)

Blue (63%)

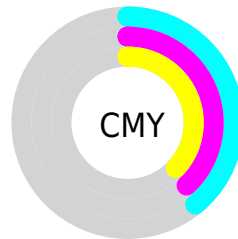


Cyan (3%)

Magenta (2%)

Yellow (0%)

Black (37%)



Cyan (39%)

Magenta (38%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.2003, 33.7551, 38.5365 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 32.2003, 33.7551, 38.5365 by changing the saturation by 10% instead.

■ 32.2003, 33.7551,
38.5365

■ 32.2003, 33.7551,
38.5365

303.7598,
319.0387, 355.2828

■ 21.6708, 22.7055,
26.0943

■ 62.4880, 65.5526,
74.1422

■ 13.7305, 14.3762,
16.6678

■ 82.9770, 87.0694,
98.1428

■ 8.0139, 8.3828,
9.8385

107.5165,
112.8440, 126.8333

■ 4.1557, 4.3409,
5.1878

136.4720,
143.2609, 160.6322

■ 1.7906, 1.8660,
2.2972

170.2086,
178.7044, 199.9581

■ 0.5120, 0.5278,
0.7297

209.0919,

■ 0.0000, 0.0000,

219.5589, 245.2294

0.0000

253.4872,
266.2089, 296.8648

■ 32.2003, 33.7551,
38.5365

■ 32.2003, 33.7551,
38.5365

■ 27.2251, 28.1269,
37.7129

■ 37.8199, 40.0579,
39.4574

■ 22.8681, 23.1465,
36.9812

■ 44.1029, 47.0525,
40.4763

■ 19.1057, 18.7918,
36.3390

■ 51.0713, 54.7605,
41.5969

■ 15.9116, 15.0374,
35.7826

■ 58.7451, 63.2017,
42.8217

■ 13.2577, 11.8566,
35.3086

■ 67.1434, 72.3948,
44.1535

■ 11.1130, 9.2202,
34.9127

■ 76.2847, 82.3579,
45.5948

■ 9.4436, 7.0966,
34.5908

■ 80.9648, 90.4166,
46.9036

■ 8.2113, 5.4507,
34.3381

■ 83.4331, 95.3533,
47.7264

■ 7.3711, 4.2424,
34.1491

Harmonies

Analogous

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



31.8786, 33.7551, 38.4667



32.2003, 33.7551, 38.5365



32.4926, 33.7551, 38.1225

Triad

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



32.2003, 33.7551, 38.5365



32.5577, 33.7551, 35.5984



31.4977, 33.7551, 36.1693

Complementary

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



32.2003, 33.7551, 38.5365



33.2695, 35.1186, 36.4780

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.



31.6773, 33.7551, 35.4178



32.2003, 33.7551, 38.5365



32.2887, 33.7551, 35.0920

Square

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



32.2003, 33.7551, 38.5365



32.6999, 33.7551, 36.4197



31.9664, 33.7551, 35.0265



31.4744, 33.7551, 37.0895

Rectangle

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



32.2003, 33.7551, 38.5365



32.6309, 33.7551, 37.6319



31.9664, 33.7551, 35.0265



31.5417, 33.7551, 35.8890

Sweetspot

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



32.2013, 33.7565, 38.5372



59.6724, 62.7086, 69.3454



32.7936, 35.0934, 38.2653



13.0999, 13.7674, 15.2106



76.7382, 80.7346, 87.9200



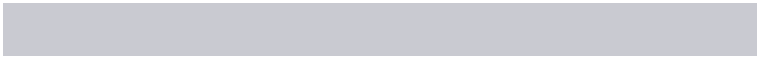
13.3056, 13.9985, 15.2444

Same Dimension

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



32.2013, 33.7565, 38.5372



56.7552, 59.4247, 68.8653



32.3081, 33.5607, 38.4938



7.3590, 7.6996, 9.0014



5.5810, 2.9413, 27.2034



0.1468, 0.1209, 0.5815

Inverse Universe

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



32.6730, 33.7889, 36.6999



57.8577, 59.5041, 64.5702



33.1602, 35.3213, 36.5229



7.5227, 7.7117, 8.3635



11.9625, 6.1411, 1.7271



0.2663, 0.1350, 0.1148

Previews

White Background



This preview shows how the XYZ color 32.2003, 33.7551, 38.5365 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 32.2003, 33.7551, 38.5365 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 32.2003, 33.7551, 38.5365

Background



This preview shows how black text looks on a background with the XYZ color 32.2003, 33.7551, 38.5365.



This preview shows how white text looks on a background with the XYZ color 32.2003, 33.7551,

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

32.2003, 33.7551, 38.5365

Protanopia

32.6196, 33.7211, 38.5078

Deuteranopia

34.3274, 33.6112, 38.8608



Tritanopia

32.8610, 33.7722, 41.8325

Trichromacy



Original Color

32.2003, 33.7551, 38.5365

Protanomaly

32.4220, 33.6192, 38.4986

Deuteranomaly

33.5942, 33.7192, 38.9203

Tritanomaly

32.5846, 33.6616, 40.3773

Monochromacy



Original Color

32.2003, 33.7551, 38.5365

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 32.2003, 33.7551, 38.5365 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, 157, 161)` looks like.

```
.text, #text, p{  
    color:rgb(156, 157, 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, 157, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 157, 161) }
```

Border

The CSS property to change the border of an element to XYZ 32.2003, 33.7551, 38.5365 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, 157, 161) }
```


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

```
.border{ border-color:rgb(156, 157, 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, 157, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 157, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 157, 161);  
box-shadow:4px 4px 4px 4px rgb(156, 157,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 32.2003, 33.7551, 38.5365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 157, 161) }
```

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

```
.background{ background-color: rgb(156,  
157, 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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