

Converting Colors

XYZ(31.5498, 32.3722, 36.6717)

Have a look what the booklet for
XYZ(31.5498, 32.3722, 36.6717)
contains.

XYZ(31.5776, 32.4859, 36.5044)	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(31.5776, 32.4859,
36.5044)**

Conversions

Conversions Part 1

Format	Color
Hex	9E999D
RGB	158, 153, 157
RGB Percent	62%, 60%, 62%
CMY	0.3804, 0.4000, 0.3843
CMYK	0.00, 0.03, 0.01, 0.38
HSL	312°, 3%, 61%
HSV	312°, 3%, 62%
XYZ	31.5776, 32.4859, 36.5044
YIQ	154.9510, 1.6960, 2.3040

Conversions

Conversions Part 2

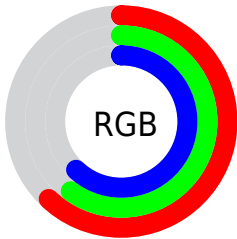
Format	Color
RYB	158, 153, 157
Decimal	10394013
CIELab	63.74, 2.58, -1.45
CIELCh	64, 2.961, 330.632
Yxy	32.4859, 0.3140, 0.3230
Android (android.graphics.Color)	4288584093 (0xFF9E999D)
YUV	154.9510, 1.0102, 2.6740
Hunter-Lab	56.9964, -0.8497, 1.9241

Details

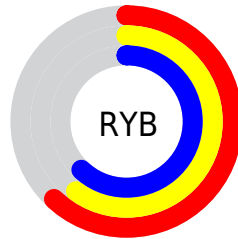
The XYZ color **31.5776, 32.4859, 36.5044** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.1977, 33.5600, 35.4069**, and the grayscale version is **31.1300, 32.7512, 35.6660**.

A 20% lighter version of the original color is **61.6371, 63.5252, 71.3003**, and **13.4163, 13.6691, 15.5670** is the 20% darker color. If you saturate the color by 10%, you get **28.8948, 27.5463, 34.2959**, and if you desaturate by 10%, it is **34.6117, 38.1160, 38.8653**.

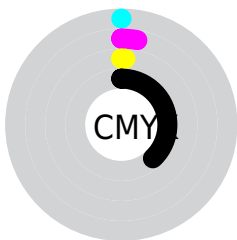
Distribution



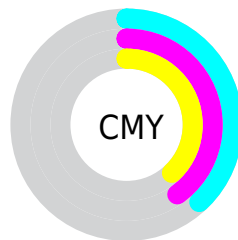
- Red (62%)
- Green (60%)
- Blue (62%)



- Red (62%)
- Yellow (60%)
- Blue (62%)



- Cyan (0%)
- Magenta (3%)
- Yellow (1%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.5776, 32.4859, 36.5044 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 31.5776, 32.4859, 36.5044 by changing the saturation by 10% instead.

■ 31.5776, 32.4859,
36.5044

■ 31.5776, 32.4859,
36.5044

300.9702,
313.3268, 346.2637

■ 21.1930, 21.7329,
24.5312

■ 61.5180, 63.5721,
70.9877

■ 13.3785, 13.6608,
15.5123

■ 81.8045, 84.6740,
94.3349

■ 7.7685, 7.8851,
9.0291

106.1225,
109.9944, 122.3105

■ 3.9977, 4.0215,
4.6631

134.8371,
139.9176, 155.3330

■ 1.7008, 1.6856,
1.9957

168.3138,
174.8281, 193.8211

■ 0.4568, 0.4143,
0.5527

206.9180,

■ 0.0000, 0.0000,

215.1102, 238.1932

0.0000

251.0150,
261.1483, 288.8679

■ 31.5776, 32.4859,
36.5044

■ 31.5776, 32.4859,
36.5044

■ 28.8948, 27.5463,
34.2959

■ 34.6117, 38.1160,
38.8653

■ 26.5471, 23.2662,
32.2329

■ 38.0070, 44.4577,
41.3809

■ 24.5211, 19.6186,
30.3111

■ 41.7764, 51.5363,
44.0561

■ 22.8016, 16.5729,
28.5251

■ 45.9314, 59.3746,
46.8952

■ 21.3719, 14.0961,
26.8692

■ 50.4830, 67.9947,
49.9019

■ 20.2138, 12.1518,
25.3369

■ 55.4416, 77.4173,
53.0800

■ 19.3071, 10.6995,
23.9214

■ 58.0108, 82.0492,
55.4975

■ 18.6286, 9.6930,
22.6145

■ 58.3346, 82.1788,
57.2028

■ 18.1506, 9.0770,
21.4068

■ 58.6659, 82.3113,
58.9470

Harmonies

Analogous

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



31.2853, 32.4859, 37.3749



31.5776, 32.4859, 36.5044



31.6818, 32.4859, 35.3464

Triad

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



31.5776, 32.4859, 36.5044



30.8681, 32.4859, 33.1351



30.1953, 32.4859, 36.5490

Complementary

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



31.5776, 32.4859, 36.5044



31.1977, 33.5600, 35.4069

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.



30.0857, 32.4859, 35.3968



31.5776, 32.4859, 36.5044



30.4720, 32.4859, 33.4412

Square

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



31.5776, 32.4859, 36.5044



31.2699, 32.4859, 33.4169



30.1866, 32.4859, 34.2625



30.4871, 32.4859, 37.4011

Rectangle

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



31.5776, 32.4859, 36.5044



31.6298, 32.4859, 34.5724



30.1866, 32.4859, 34.2625



30.1360, 32.4859, 36.1831

Sweetspot

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



31.5785, 32.4873, 36.5051



58.4720, 61.0800, 67.1874



30.8906, 32.1227, 36.9204



13.1896, 13.7837, 15.1530



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.



31.5785, 32.4873, 36.5051



56.8735, 58.1234, 65.9137



31.3674, 32.4028, 35.3931



7.1358, 7.2636, 8.2824



14.3432, 7.0419, 16.5904



0.2698, 0.1312, 0.3666

Inverse Universe

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



31.5785, 32.4873, 36.5051



56.8735, 58.1234, 65.9137



31.4080, 33.6441, 36.5144



7.1358, 7.2636, 8.2824



14.3432, 7.0419, 16.5904



0.2698, 0.1312, 0.3666

Previews

White Background



This preview shows how the XYZ color 31.5776, 32.4859, 36.5044 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 31.5776, 32.4859, 36.5044 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

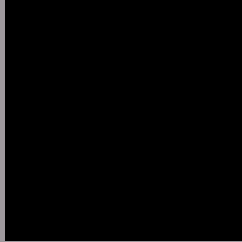
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.5776, 32.4859, 36.5044

Background



This preview shows how black text looks on a background with the XYZ color 31.5776, 32.4859, 36.5044.

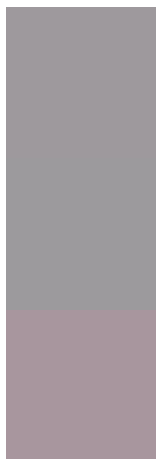


This preview shows how white text looks on a background with the XYZ color 31.5776, 32.4859,

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

31.5776, 32.4859, 36.5044

Protanopia

31.3517, 32.6134, 36.5409

Deuteranopia

33.2264, 32.6061, 36.8901



Tritanopia

32.2272, 32.5077, 39.6980

Trichromacy



Original Color

31.5776, 32.4859, 36.5044

Protanomaly

31.5460, 32.7136, 36.5500

Deuteranomaly

32.5480, 32.4944, 36.9043

Tritanomaly

31.9593, 32.4006, 38.2877

Monochromacy



Original Color

31.5776, 32.4859, 36.5044

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.2667, 32.5794, 36.0930

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.5776, 32.4859, 36.5044 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(158, 153, 157)` looks like.

```
.text, #text, p{  
    color:rgb(158, 153, 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(158, 153, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 153, 157) }
```

Border

The CSS property to change the border of an element to XYZ 31.5776, 32.4859, 36.5044 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(158, 153, 157) }
```


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

```
.border{ border-color:rgb(158, 153, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 153, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 153, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 153, 157);  
box-shadow:4px 4px 4px 4px rgb(158, 153,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 31.5776, 32.4859, 36.5044 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 153, 157) }
```

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

```
.background{ background-color: rgb(158,  
153, 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