

Converting Colors

XYZ(31.3921, 30.9125, 37.5844)

Have a look what the booklet for
XYZ(31.3921, 30.9125, 37.5844)
contains.

XYZ(31.4768, 30.9826, 37.5789)	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(31.4768, 30.9826,
37.5789)**

Conversions

Conversions Part 1

Format	Color
Hex	A193A0
RGB	161, 147, 160
RGB Percent	63%, 58%, 63%
CMY	0.3686, 0.4235, 0.3725
CMYK	0.00, 0.09, 0.01, 0.37
HSL	304°, 7%, 60%
HSV	304°, 9%, 63%
XYZ	31.4768, 30.9826, 37.5789
YIQ	152.6680, 4.1710, 7.0110

Conversions

Conversions Part 2

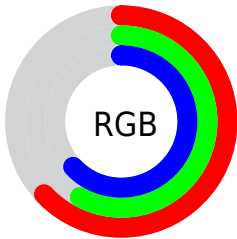
Format	Color
RYB	161, 147, 160
Decimal	10589088
CIELab	62.49, 7.60, -4.96
CIELCh	62, 9.072, 326.880
Yxy	30.9826, 0.3146, 0.3097
Android (android.graphics.Color)	4288779168 (0xFFA193A0)
YUV	152.6680, 3.6147, 7.3072
Hunter-Lab	55.6620, 3.5330, -1.0648

Details

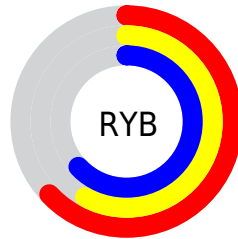
The XYZ color **31.4768, 30.9826, 37.5789** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.1240, 33.8317, 32.9611**, and the grayscale version is **30.1183, 31.6868, 34.5070**.

A 20% lighter version of the original color is **61.4713, 61.2785, 72.8780**, and **13.2499, 12.7211, 16.2251** is the 20% darker color. If you saturate the color by 10%, you get **29.0466, 26.2820, 36.2750**, and if you desaturate by 10%, it is **34.2602, 36.3871, 39.0058**.

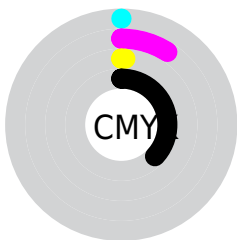
Distribution



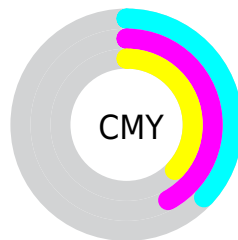
- Red (63%)
- Green (58%)
- Blue (63%)



- Red (63%)
- Yellow (58%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (1%)
- Black (37%)



- Cyan (37%)
- Magenta (42%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.4768, 30.9826, 37.5789 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 31.4768, 30.9826, 37.5789 by changing the saturation by 10% instead.

■ 31.4768, 30.9826,
37.5789

■ 31.4768, 30.9826,
37.5789

300.5168,
306.4581, 351.0540

■ 21.1158, 20.5856,
25.3567

■ 61.3607, 61.2127,
72.6585

■ 13.3216, 12.8214,
16.1216

■ 81.6143, 81.8145,
96.3530

■ 7.7289, 7.3057,
9.4550

105.8962,
106.5868, 124.7087

■ 3.9723, 3.6540,
4.9383

134.5717,
135.9139, 158.1441

■ 1.6865, 1.4820,
2.1530

168.0061,
170.1802, 197.0778

■ 0.4478, 0.2760,
0.6470

206.5649,

■ 0.0000, 0.0000,

209.7700, 241.9283

0.0000

250.6133,
255.0679, 293.1142

■ 31.4768, 30.9826,
37.5789

■ 31.4768, 30.9826,
37.5789

■ 29.0466, 26.2820,
36.2750

■ 34.2602, 36.3871,
39.0058

■ 26.9523, 22.2523,
35.0874

■ 37.4076, 42.5186,
40.5583

■ 25.1794, 18.8638,
34.0114

■ 40.9329, 49.4044,
42.2414

■ 23.7112, 16.0832,
33.0415

■ 44.8483, 57.0690,
44.0592

■ 22.5295, 13.8741,
32.1717

■ 49.1656, 65.5358,
46.0155

■ 21.6141, 12.1962,
31.3952

■ 53.8959, 74.8272,
48.1142

■ 20.9422, 11.0040,
30.7044

■ 57.5309, 81.9263,
49.8524

■ 20.4874, 10.2442,
30.0904

■ 57.6386, 81.9693,
50.4196

■ 20.1978, 9.8135,
29.5360

■ 57.7472, 82.0128,
50.9918

Harmonies

Analogous

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



30.5320, 30.9826, 40.1547



31.4768, 30.9826, 37.5789



31.8772, 30.9826, 34.1054

Triad

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



31.4768, 30.9826, 37.5789



29.5772, 30.9826, 27.4042



27.3853, 30.9826, 36.8958

Complementary

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



31.4768, 30.9826, 37.5789



30.1240, 33.8317, 32.9611

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.



27.1456, 30.9826, 33.3669



31.4768, 30.9826, 37.5789



28.3900, 30.9826, 28.0384

Square

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



31.4768, 30.9826, 37.5789



30.7614, 30.9826, 28.3661



27.5084, 30.9826, 30.1622



28.1726, 30.9826, 39.7414

Rectangle

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



31.4768, 30.9826, 37.5789



31.7734, 30.9826, 31.8031



27.5084, 30.9826, 30.1622



27.2390, 30.9826, 35.7432

Sweetspot

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



31.4777, 30.9839, 37.5796



59.1035, 60.7863, 68.7137



29.0688, 29.7320, 37.9254



12.8770, 13.1658, 15.0263



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.



31.4777, 30.9839, 37.5796



55.6834, 54.1523, 66.9384



30.8880, 30.7480, 34.4740



7.3424, 7.1934, 8.7894



16.1096, 7.7999, 23.5657



0.3445, 0.1663, 0.5270

Inverse Universe

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



31.4777, 30.9839, 37.5796



55.6834, 54.1523, 66.9384



30.6893, 34.0578, 35.9383



7.3424, 7.1934, 8.7894



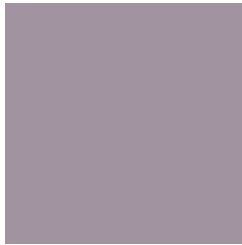
16.1096, 7.7999, 23.5657



0.3445, 0.1663, 0.5270

Previews

White Background



This preview shows how the XYZ color 31.4768, 30.9826, 37.5789 looks on a white background.

Color Contrast Check

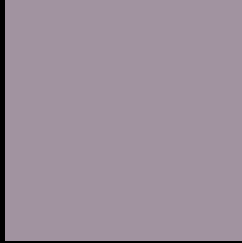
Large Text (above 18pt) WCAG AA × Fail

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 31.4768, 30.9826, 37.5789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

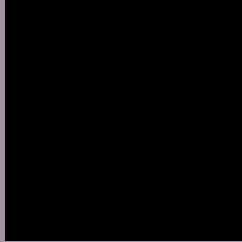
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.4768, 30.9826, 37.5789

Background



This preview shows how black text looks on a background with the XYZ color 31.4768, 30.9826, 37.5789.



This preview shows how white text looks on a background with the XYZ color 31.4768, 30.9826,

37.5789.

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

31.4768, 30.9826, 37.5789

Protanopia

30.1904, 31.0006, 38.5749

Deuteranopia

31.6792, 31.0869, 37.5884



Tritanopia

31.3897, 30.9477, 37.1200

Trichromacy



Original Color

31.4768, 30.9826, 37.5789

Protanomaly

30.6980, 31.0367, 38.0909

Deuteranomaly

31.6792, 31.0869, 37.5884

Tritanomaly

31.3897, 30.9477, 37.1200

Monochromacy



Original Color

31.4768, 30.9826, 37.5789

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.7777, 31.6014, 35.9300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.4768, 30.9826, 37.5789 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(161, 147, 160)` looks like.

```
.text, #text, p{  
    color:rgb(161, 147, 160)  
}
```

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(161, 147, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 147, 160) }
```

Border

The CSS property to change the border of an element to XYZ 31.4768, 30.9826, 37.5789 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(161, 147, 160) }
```


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

```
.border{ border-color:rgb(161, 147, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 147, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 147, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 147, 160);  
box-shadow:4px 4px 4px 4px rgb(161, 147,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 31.4768, 30.9826, 37.5789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 147, 160) }
```

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

```
.background{ background-color: rgb(161,  
147, 160) }
```

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