

Converting Colors

XYZ(31.9597, 37.3129, 40.1799)

Have a look what the booklet for
XYZ(31.9597, 37.3129, 40.1799)
contains.

XYZ(31.9890, 37.3456, 40.1728)	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(31.9890, 37.3456,
40.1728)**

Conversions

Conversions Part 1

Format	Color
Hex	8CABA3
RGB	140, 171, 163
RGB Percent	55%, 67%, 64%
CMY	0.4510, 0.3294, 0.3608
CMYK	0.18, 0.00, 0.05, 0.33
HSL	165°, 16%, 61%
HSV	165°, 18%, 67%
XYZ	31.9890, 37.3456, 40.1728
YIQ	160.8190, -15.9080, -9.0600

Conversions

Conversions Part 2

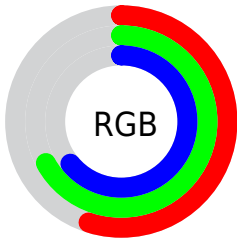
Format	Color
R_{YB}	140, 158, 171
Decimal	9218979
CIE _{Lab}	67.54, -12.27, 0.58
CIE _{LCh}	68, 12.285, 177.289
Yxy	37.3456, 0.2921, 0.3410
Android (android.graphics.Color)	4287409059 (0xFF8CABA3)
YUV	160.8190, 1.0752, -18.2583
Hunter-Lab	61.1110, -13.5073, 3.8020

Details

The XYZ color **31.9890, 37.3456, 40.1728** is a light color, and the websafe version is hex **669999**. A complement of this color would be **31.5193, 29.5532, 32.0617**, and the grayscale version is **33.7936, 35.5535, 38.7177**.

A 20% lighter version of the original color is **62.0994, 70.9240, 76.7464**, and **13.5859, 16.4652, 17.5010** is the 20% darker color. If you saturate the color by 10%, you get **28.9401, 35.8197, 38.0021**, and if you desaturate by 10%, it is **35.5016, 39.1109, 42.4389**.

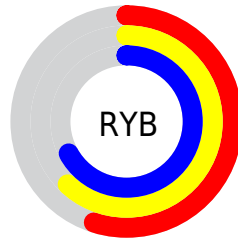
Distribution



Red (55%)

Green (67%)

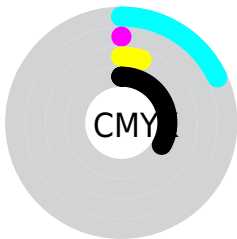
Blue (64%)



Red (55%)

Yellow (62%)

Blue (67%)

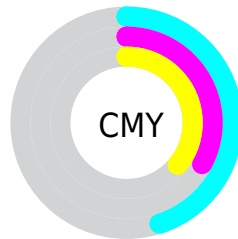


Cyan (18%)

Magenta (0%)

Yellow (5%)

Black (33%)



Cyan (45%)

Magenta (33%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.9890, 37.3456, 40.1728 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 31.9890, 37.3456, 40.1728 by changing the saturation by 10% instead.

■ 31.9890, 37.3456,
40.1728

■ 31.9890, 37.3456,
40.1728

302.8153,
334.8044, 362.4251

■ 21.5086, 25.4752,
27.3585

■ 62.1592, 71.1040,
76.6665

■ 13.6109, 16.4314,
17.6078

■ 82.5796, 93.7608,
101.1830

■ 7.9304, 9.8300,
10.5023

■ 107.0442,
120.7818, 130.4374

■ 4.1019, 5.2864,
5.6233

135.9181,
152.5515, 164.8480

■ 1.7599, 2.4162,
2.5524

169.5669,
189.4541, 204.8336

■ 0.4933, 0.8342,
0.8677

208.3557,

■ 0.0000, 0.0000,

231.8743, 250.8126

0.0000

252.6501,
280.1962, 303.2036

■ 31.9890, 37.3456,
40.1728

■ 31.9890, 37.3456,
40.1728

■ 28.9401, 35.8197,
38.0021

■ 35.5016, 39.1109,
42.4389

■ 26.3310, 34.5180,
35.9225

■ 39.4943, 41.1211,
44.7994

■ 24.1404, 33.4305,
33.9331

■ 43.9862, 43.3870,
47.2568

■ 22.3439, 32.5446,
32.0321

■ 48.9948, 45.9177,
49.8125

■ 20.9145, 31.8464,
30.2173

■ 54.5366, 48.7215,
52.4681

■ 19.8218, 31.3202,
28.4866

■ 60.6272, 51.8067,
55.2249

■ 19.0302, 30.9478,
26.8376

■ 65.5298, 54.2777,
58.0023

■ 18.4795, 30.6982,
25.2666

■ 66.0328, 54.4788,
60.6507

■ 18.3855, 30.6559,
24.9805

■ 66.5505, 54.6860,
63.3772

Harmonies

Analogous

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



32.5258, 37.3456, 35.2952



31.9890, 37.3456, 40.1728



32.3639, 37.3456, 45.6226

Triad

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



31.9890, 37.3456, 40.1728



37.1878, 37.3456, 50.6289



37.4957, 37.3456, 32.5213

Complementary

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



31.9890, 37.3456, 40.1728



31.5193, 29.5532, 32.0617

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.



38.8236, 37.3456, 36.0766



31.9890, 37.3456, 40.1728



38.6415, 37.3456, 46.5492

Square

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



31.9890, 37.3456, 40.1728



35.3243, 37.3456, 51.9673



39.2501, 37.3456, 41.1572



35.6680, 37.3456, 31.1298

Rectangle

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



31.9890, 37.3456, 40.1728



33.0880, 37.3456, 48.7978



39.2501, 37.3456, 41.1572



38.0178, 37.3456, 33.4866

Sweetspot

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



31.9901, 37.3472, 40.1736



65.6604, 71.0898, 77.2698



31.5588, 37.3417, 30.3559



14.5368, 15.8001, 17.1677



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



31.9901, 37.3472, 40.1736



54.8644, 65.6680, 70.2688



31.4008, 34.9846, 43.6276



8.1467, 9.0362, 9.7975



13.8816, 23.1179, 18.9479



0.4068, 0.6514, 0.6357

Inverse Universe

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



31.5193, 29.5532, 32.0617



53.8549, 48.9395, 52.8624



31.9995, 31.4926, 29.2037



8.0869, 8.0480, 8.7686



13.0241, 6.6722, 2.5065



0.3847, 0.1946, 0.1874

Previews

White Background



This preview shows how the XYZ color 31.9890, 37.3456, 40.1728 looks on a white background.

Color Contrast Check

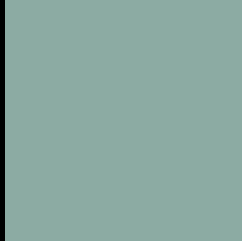
Large Text (above 18pt) WCAG AA × Fail

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 31.9890, 37.3456, 40.1728 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

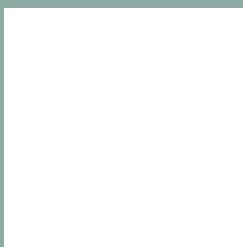
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.9890, 37.3456, 40.1728

Background



This preview shows how black text looks on a background with the XYZ color 31.9890, 37.3456, 40.1728.



This preview shows how white text looks on a background with the XYZ color 31.9890, 37.3456,

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

31.9890, 37.3456, 40.1728

Protanopia

35.5037, 37.0224, 38.0757

Deuteranopia

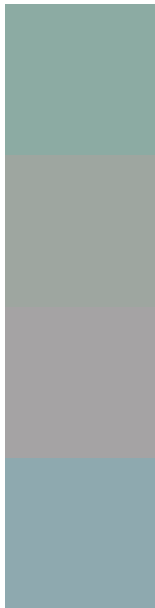
37.7801, 37.0966, 40.7664



Tritanopia

33.7738, 37.2223, 49.6605

Trichromacy



Original Color

31.9890, 37.3456, 40.1728

Protanomaly

34.0819, 37.0796, 38.6185

Deuteranomaly

35.3151, 36.8741, 40.3781

Tritanomaly

33.0812, 37.2219, 45.9984

Monochromacy



Original Color

31.9890, 37.3456, 40.1728

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

33.1136, 36.2912, 39.4420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.9890, 37.3456, 40.1728 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(140, 171, 163)` looks like.

```
.text, #text, p{  
    color:rgb(140, 171, 163)  
}
```

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(140, 171, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 171, 163) }
```

Border

The CSS property to change the border of an element to XYZ 31.9890, 37.3456, 40.1728 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(140, 171, 163) }
```


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

```
.border{ border-color:rgb(140, 171, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(140, 171, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 171, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 171, 163);  
box-shadow:4px 4px 4px 4px rgb(140, 171,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 31.9890, 37.3456, 40.1728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 171, 163) }
```

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

```
.background{ background-color: rgb(140,  
171, 163) }
```

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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