

Converting Colors

XYZ(31.1685, 37.5470, 39.9142)

Have a look what the booklet for
XYZ(31.1685, 37.5470, 39.9142)
contains.

XYZ(31.1380, 37.4823, 39.7761)	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(31.1380, 37.4823,
39.7761)**

Conversions

Conversions Part 1

Format	Color
Hex	85ADA2
RGB	133, 173, 162
RGB Percent	52%, 68%, 64%
CMY	0.4784, 0.3216, 0.3647
CMYK	0.23, 0.00, 0.06, 0.32
HSL	163°, 20%, 60%
HSV	163°, 23%, 68%
XYZ	31.1380, 37.4823, 39.7761
YIQ	159.7860, -20.3090, -11.9010

Conversions

Conversions Part 2

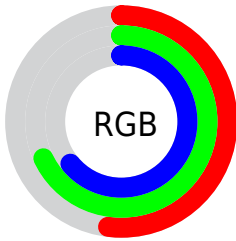
Format	Color
R _{YB}	133, 156, 173
Decimal	8760738
CIE Lab	67.64, -15.82, 1.23
CIE LCh	68, 15.870, 175.553
Yxy	37.4823, 0.2873, 0.3458
Android (android.graphics.Color)	4286950818 (0xFF85ADA2)
YUV	159.7860, 1.0915, -23.4913
Hunter-Lab	61.2228, -16.3545, 4.3356

Details

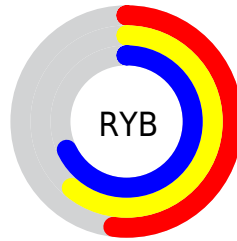
The XYZ color **31.1380, 37.4823, 39.7761** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.6564, 27.6738, 30.1129**, and the grayscale version is **33.3177, 35.0528, 38.1725**.

A 20% lighter version of the original color is **61.0372, 71.6132, 76.2514**, and **13.1315, 16.5944, 17.2628** is the 20% darker color. If you saturate the color by 10%, you get **28.2136, 36.0237, 37.4734**, and if you desaturate by 10%, it is **34.5304, 39.1823, 42.1858**.

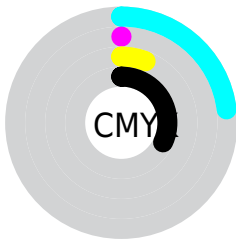
Distribution



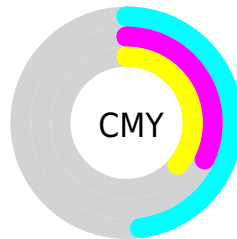
- Red (52%)
- Green (68%)
- Blue (64%)



- Red (52%)
- Yellow (61%)
- Blue (68%)



- Cyan (23%)
- Magenta (0%)
- Yellow (6%)
- Black (32%)



- Cyan (48%)
- Magenta (32%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1380, 37.4823, 39.7761 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 31.1380, 37.4823, 39.7761 by changing the saturation by 10% instead.

■ 31.1380, 37.4823,
39.7761

■ 31.1380, 37.4823,
39.7761

298.9891,
335.3939, 360.7030

■ 20.8563, 25.5811,
27.0516

■ 60.8316, 71.3139,
76.0558

■ 13.1309, 16.5105,
17.3792

■ 80.9743, 94.0132,
100.4480

■ 7.5963, 9.8861,
10.3404

■ 105.1346,
121.0806, 129.5666

■ 3.8874, 5.3235,
5.5167

133.6780,
152.9006, 163.8300

■ 1.6386, 2.4383,
2.4895

166.9698,
189.8575, 203.6568

■ 0.4174, 0.8455,
0.8346

205.3753,

■ 0.0000, 0.0000,

232.3358, 249.4655

0.0000

249.2600,
280.7198, 301.6747

■ 31.1380, 37.4823,
39.7761

■ 31.1380, 37.4823,
39.7761

■ 28.2136, 36.0237,
37.4734

■ 34.5304, 39.1823,
42.1858

■ 25.7319, 34.7904,
35.2733

■ 38.4083, 41.1298,
44.7019

■ 23.6699, 33.7717,
33.1746

■ 42.7922, 43.3362,
47.3271

■ 22.0011, 32.9540,
31.1751

■ 47.7004, 45.8110,
50.0630

■ 20.6963, 32.3221,
29.2724

■ 53.1502, 48.5631,
52.9113

■ 19.7215, 31.8586,
27.4641

■ 59.1584, 51.6011,
55.8737

■ 19.0365, 31.5428,
25.7471

■ 65.7407, 54.9331,
58.9517

■ 18.6728, 31.3799,
24.6159

■ 66.6175, 55.3218,
61.8522

■ 67.1827, 55.5479,
64.8285

Harmonies

Analogous

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



31.8851, 37.4823, 33.6549



31.1380, 37.4823, 39.7761



31.5475, 37.4823, 46.9043

Triad

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



31.1380, 37.4823, 39.7761



37.6940, 37.4823, 54.2150



38.3538, 37.4823, 30.6782

Complementary

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



31.1380, 37.4823, 39.7761



30.6564, 27.6738, 30.1129

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.



40.0412, 37.4823, 35.2712



31.1380, 37.4823, 39.7761



39.6482, 37.4823, 48.9177

Square

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



31.1380, 37.4823, 39.7761



35.2623, 37.4823, 55.7734



40.5253, 37.4823, 41.8654



35.9918, 37.4823, 28.7982

Rectangle

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



31.1380, 37.4823, 39.7761



32.4318, 37.4823, 51.2067



40.5253, 37.4823, 41.8654



39.0229, 37.4823, 31.9285

Sweetspot

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



31.1391, 37.4838, 39.7769



65.8995, 72.2085, 78.2298



30.7383, 37.5415, 27.8170



14.2354, 15.6493, 16.9456



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.



31.1391, 37.4838, 39.7769



52.8530, 65.6736, 68.9982



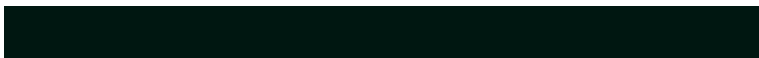
30.5520, 34.6754, 44.6197



8.1409, 9.0339, 9.7671



13.7424, 23.0622, 18.2149



0.4038, 0.6502, 0.6198

Inverse Universe

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



30.6564, 27.6738, 30.1129



51.8304, 44.8486, 48.4929



31.0919, 29.8257, 26.3091



8.0924, 8.0502, 8.7973



13.0676, 6.6896, 2.7352



0.3868, 0.1954, 0.1986

Previews

White Background



This preview shows how the XYZ color 31.1380, 37.4823, 39.7761 looks on a white background.

Color Contrast Check

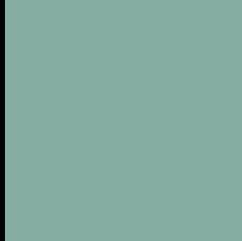
Large Text (above 18pt) WCAG AA × Fail

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 31.1380, 37.4823, 39.7761 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

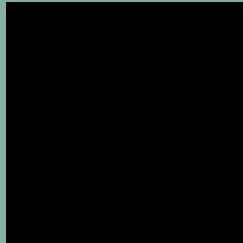
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.1380, 37.4823, 39.7761

Background



This preview shows how black text looks on a background with the XYZ color 31.1380, 37.4823, 39.7761.



This preview shows how white text looks on a background with the XYZ color 31.1380, 37.4823,

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

31.1380, 37.4823, 39.7761

Protanopia

35.7234, 37.4203, 37.2383

Deuteranopia

38.0121, 37.2162, 40.7773



Tritanopia

33.2385, 37.4867, 50.2835

Trichromacy



Original Color

31.1380, 37.4823, 39.7761

Protanomaly

33.7870, 37.2086, 38.2021

Deuteranomaly

35.0806, 37.0178, 40.4182

Tritanomaly

32.4541, 37.4552, 46.0765

Monochromacy



Original Color

31.1380, 37.4823, 39.7761

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

32.4658, 35.9675, 38.9495

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1380, 37.4823, 39.7761 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(133, 173, 162)` looks like.

```
.text, #text, p{  
    color:rgb(133, 173, 162)  
}
```

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(133, 173, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 173, 162) }
```

Border

The CSS property to change the border of an element to XYZ 31.1380, 37.4823, 39.7761 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(133, 173, 162) }
```


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

```
.border{ border-color:rgb(133, 173, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 173, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 173, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 173, 162);  
box-shadow:4px 4px 4px 4px rgb(133, 173,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1380, 37.4823, 39.7761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 173, 162) }
```

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

```
.background{ background-color: rgb(133,  
173, 162) }
```

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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