

Converting Colors

XYZ(31.7738, 38.7924, 8.5426)

Have a look what the booklet for
XYZ(31.7738, 38.7924, 8.5426)
contains.

XYZ(31.7976, 38.8022, 8.5030)	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(31.7976, 38.8022,
8.5030)**

Conversions

Conversions Part 1

Format	Color
Hex	A8AE2F
RGB	168, 174, 47
RGB Percent	66%, 68%, 18%
CMY	0.3412, 0.3176, 0.8157
CMYK	0.03, 0.00, 0.73, 0.32
HSL	63°, 57%, 43%
HSV	63°, 73%, 68%
XYZ	31.7976, 38.8022, 8.5030
YIQ	157.7280, 37.1910, -40.7690

Conversions

Conversions Part 2

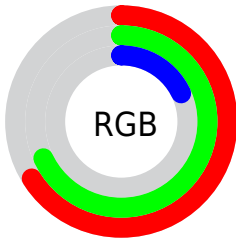
Format	Color
RYB	47, 174, 53
Decimal	11054639
CIELab	68.61, -17.59, 60.39
CIELCh	69, 62.897, 106.238
Yxy	38.8022, 0.4020, 0.4905
Android (android.graphics.Color)	4289244719 (0xFFA8AE2F)
YUV	157.7280, -54.5889, 9.0085
Hunter-Lab	62.2914, -17.8919, 35.5107

Details

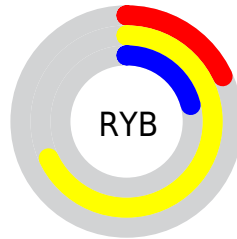
The XYZ color **31.7976, 38.8022, 8.5030** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **10.1259, 5.8468, 40.6417**, and the grayscale version is **32.6048, 34.3028, 37.3557**.

A 20% lighter version of the original color is **61.7816, 73.1667, 23.4367**, and **13.6416, 17.3638, 2.6326** is the 20% darker color. If you saturate the color by 10%, you get **31.3400, 38.6004, 7.0008**, and if you desaturate by 10%, it is **32.3980, 39.0641, 10.7438**.

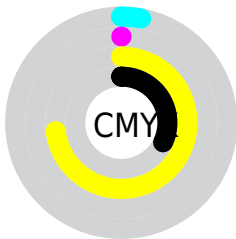
Distribution



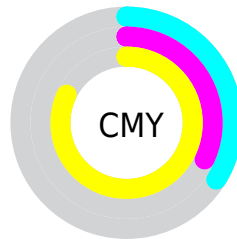
- Red (66%)
- Green (68%)
- Blue (18%)



- Red (18%)
- Yellow (68%)
- Blue (21%)



- Cyan (3%)
- Magenta (0%)
- Yellow (73%)
- Black (32%)





- Cyan (34%)
- Magenta (32%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.7976, 38.8022, 8.5030 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 31.7976, 38.8022, 8.5030 by changing the saturation by 10% instead.


 31.7976, 38.8022,
8.5030


 31.7976, 38.8022,
8.5030


301.9579,
341.0488, 189.7052


 21.3617, 26.6059,
4.3261


 61.8610, 73.3361,
23.5010

 13.5026, 17.2775,
1.8059


 82.2192, 96.4424,
35.1592

 7.8550, 10.4325,
0.4318


 106.6157,
123.9542, 50.1483

 4.0533, 5.6867,
0.0000

 135.4156,
156.2558, 68.8867

 1.7323, 2.6555,
0.0000

 168.9845,
193.7317, 91.7931

 0.4764, 0.9546,
0.0000

 207.6876,

 0.0000, 0.0000,

236.7662, 119.2860

0.0000

251.8903,
285.7438, 151.7838

■ 31.7976, 38.8022,
8.5030

■ 31.7976, 38.8022,
8.5030

■ 31.3400, 38.6004,
7.0008

■ 32.3980, 39.0641,
10.7438

■ 31.0048, 38.4463,
6.1412

■ 33.1535, 39.3867,
13.7990

■ 30.8161, 38.3568,
5.7794

■ 34.0779, 39.7770,
17.7378

■ 35.1828, 40.2397,
22.6214

■ 36.4787, 40.7789,
28.5054

■ 37.9756, 41.3986,
35.4413

■ 39.6823, 42.1023,
43.4769

■ 41.6076, 42.8937,
52.6571

■ 43.7594, 43.7757,
63.0245

Harmonies

Analogous

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



41.6085, 38.8022, 8.2948



31.7976, 38.8022, 8.5030



24.7442, 38.8022, 14.6019

Triad

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



31.7976, 38.8022, 8.5030



25.1938, 38.8022, 95.2847



58.6928, 38.8022, 56.6286

Complementary

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



31.7976, 38.8022, 8.5030



10.1259, 5.8468, 40.6417

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.



52.4497, 38.8022, 92.4415



31.7976, 38.8022, 8.5030



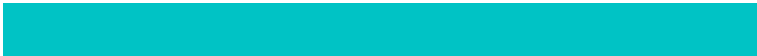
32.5246, 38.8022, 120.6632

Square

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



31.7976, 38.8022, 8.5030



21.4257, 38.8022, 59.4472



42.4777, 38.8022, 119.4369



58.4024, 38.8022, 28.7357

Rectangle

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



31.7976, 38.8022, 8.5030



22.0275, 38.8022, 23.8328



42.4777, 38.8022, 119.4369



57.2466, 38.8022, 68.3167

Sweetspot

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



31.7985, 38.8040, 8.5038



66.3167, 74.0276, 52.3994



19.1641, 11.5930, 3.9175



14.5924, 16.3923, 10.9716



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



31.7985, 38.8040, 8.5038



56.4219, 69.8205, 11.5541



21.6263, 33.5601, 8.0278



8.6247, 9.3106, 8.5559



22.3642, 27.8262, 4.1923



0.6333, 0.7798, 0.1171

Inverse Universe

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



10.1259, 5.8468, 40.6417



15.0070, 6.7253, 73.1440



15.6930, 8.7167, 40.9022



7.6126, 7.7746, 10.0521



5.6304, 2.2624, 29.1845



0.1677, 0.0687, 0.8124

Previews

White Background



This preview shows how the XYZ color 31.7976, 38.8022, 8.5030 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 31.7976, 38.8022, 8.5030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

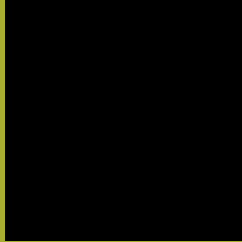
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.7976, 38.8022, 8.5030

Background



This preview shows how black text looks on a background with the XYZ color 31.7976, 38.8022, 8.5030.



This preview shows how white text looks on a background with the XYZ color 31.7976, 38.8022,

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

31.7976, 38.8022, 8.5030

Protanopia

35.2153, 38.8861, 8.1323

Deuteranopia

39.3352, 38.6086, 8.7472



Tritanopia

39.2486, 38.5195, 45.9238

Trichromacy



Original Color

31.7976, 38.8022, 8.5030

Protanomaly

33.9239, 38.7705, 8.2802

Deuteranomaly

36.1211, 38.2593, 8.6130

Tritanomaly

35.2117, 37.9449, 25.8903

Monochromacy



Original Color

31.7976, 38.8022, 8.5030

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4458, 35.5403, 22.3421

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.7976, 38.8022, 8.5030 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(168, 174, 47)` looks like.

```
.text, #text, p{  
    color:rgb(168, 174, 47)  
}
```

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(168, 174, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 174, 47) }
```

Border

The CSS property to change the border of an element to XYZ 31.7976, 38.8022, 8.5030 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(168, 174, 47) }
```


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

```
.border{ border-color:rgb(168, 174, 47) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 174, 47)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 174, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 174, 47);  
box-shadow:4px 4px 4px 4px rgb(168, 174,  
47) }
```

Background

The CSS property to change the background color of an element to XYZ 31.7976, 38.8022, 8.5030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 174, 47) }
```

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

```
.background{ background-color: rgb(168,  
174, 47) }
```

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