

Converting Colors

XYZ(31.0001, 35.7962, 24.6780)

Have a look what the booklet for
XYZ(31.0001, 35.7962, 24.6780)
contains.

XYZ(31.0482, 35.8210, 24.6798)	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(31.0482, 35.8210,
24.6798)**

Conversions

Conversions Part 1

Format	Color
Hex	9CA67D
RGB	156, 166, 125
RGB Percent	61%, 65%, 49%
CMY	0.3882, 0.3490, 0.5098
CMYK	0.06, 0.00, 0.25, 0.35
HSL	75°, 19%, 57%
HSV	75°, 25%, 65%
XYZ	31.0482, 35.8210, 24.6798
YIQ	158.3360, 7.2010, -14.8710

Conversions

Conversions Part 2

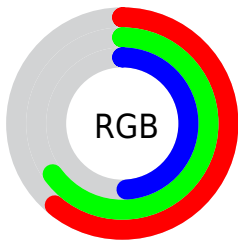
Format	Color
RYB	125, 166, 135
Decimal	10266237
CIELab	66.38, -10.75, 20.10
CIELCh	66, 22.789, 118.136
Yxy	35.8210, 0.3391, 0.3913
Android (android.graphics.Color)	4288456317 (0xFF9CA67D)
YUV	158.3360, -16.4346, -2.0487
Hunter-Lab	59.8506, -12.1397, 17.4468

Details

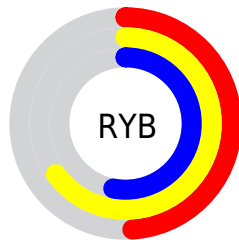
The XYZ color **31.0482, 35.8210, 24.6798** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **24.2096, 22.5723, 39.1592**, and the grayscale version is **32.7228, 34.4269, 37.4909**.

A 20% lighter version of the original color is **60.7563, 68.7761, 52.1924**, and **13.0307, 15.4995, 9.1424** is the 20% darker color. If you saturate the color by 10%, you get **29.3048, 35.0358, 19.5176**, and if you desaturate by 10%, it is **32.9969, 36.6938, 30.7783**.

Distribution



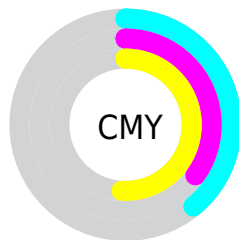
- Red (61%)
- Green (65%)
- Blue (49%)



- Red (49%)
- Yellow (65%)
- Blue (53%)



- Cyan (6%)
- Magenta (0%)
- Yellow (25%)
- Black (35%)



- Cyan (39%)
- Magenta (35%)
- Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.0482, 35.8210, 24.6798 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 31.0482, 35.8210, 24.6798 by changing the saturation by 10% instead.

■ 31.0482, 35.8210,
24.6798

■ 31.0482, 35.8210,
24.6798

298.5832,
328.1775, 289.6360

■ 20.7876, 24.2960,
15.6218

■ 60.6913, 68.7557,
52.0949

■ 13.0804, 15.5533,
9.1055

■ 80.8044, 90.9342,
71.2892

■ 7.5613, 9.2086,
4.7123

■ 104.9324,
117.4326, 94.6993

■ 3.8650, 4.8775,
2.0237

133.4407,
148.6353, 122.7437

■ 1.6260, 2.1756,
0.5698

166.6946,
184.9268, 155.8411

■ 0.4093, 0.7066,
0.0000

205.0594,

■ 0.0000, 0.0000,

226.6914, 194.4099

0.0000

248.9005,
274.3135, 238.8687

■ 31.0482, 35.8210,
24.6798

■ 31.0482, 35.8210,
24.6798

■ 29.3048, 35.0358,
19.5176

■ 32.9969, 36.6938,
30.7783

■ 27.7548, 34.3297,
15.2431

■ 35.1566, 37.6527,
37.8539

■ 26.3893, 33.7005,
11.8066

■ 37.5360, 38.7027,
45.9480

■ 25.1976, 33.1436,
9.1528

■ 40.1427, 39.8467,
55.0986

■ 24.1677, 32.6544,
7.2196

■ 42.9838, 41.0875,
65.3420

■ 23.2857, 32.2272,
5.9356

■ 46.0661, 42.4280,
76.7128

■ 22.5347, 31.8553,
5.2136

■ 49.3960, 43.8707,
89.2437

■ 22.1681, 31.6719,
4.9449

■ 52.5249, 45.2363,
100.5708

■ 53.5396, 45.7593,
100.6183

Harmonies

Analogous

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



34.2604, 35.8210, 23.0875



31.0482, 35.8210, 24.6798



28.7774, 35.8210, 29.9081

Triad

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



31.0482, 35.8210, 24.6798



30.7022, 35.8210, 57.2187



41.0277, 35.8210, 39.6168

Complementary

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



31.0482, 35.8210, 24.6798



24.2096, 22.5723, 39.1592

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.



39.9231, 35.8210, 49.7767



31.0482, 35.8210, 24.6798



33.8340, 35.8210, 60.9363

Square

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



31.0482, 35.8210, 24.6798



28.5872, 35.8210, 48.5426



37.2325, 35.8210, 58.0107



40.1606, 35.8210, 30.8030

Rectangle

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



31.0482, 35.8210, 24.6798



28.0261, 35.8210, 35.2693



37.2325, 35.8210, 58.0107



40.8733, 35.8210, 42.9913

Sweetspot

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



31.0491, 35.8226, 24.6806



62.8138, 67.8946, 65.4095



28.0324, 26.7960, 23.0973



14.0061, 15.1712, 14.4707



80.6108, 84.8088, 92.3568



14.7206, 15.4872, 16.8656

Same Dimension

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



31.0491, 35.8226, 24.6806



54.4501, 64.1566, 39.1014



27.4816, 33.9835, 24.5136



7.9654, 8.6803, 8.0449



17.2330, 24.5812, 3.8364



0.4612, 0.6197, 0.0953

Inverse Universe

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



24.2096, 22.5723, 39.1592



39.7367, 35.6439, 70.2609



27.7481, 24.3965, 39.3248



7.2969, 7.3856, 9.4593



6.0679, 2.5115, 28.1405



0.1922, 0.0841, 0.6867

Previews

White Background



This preview shows how the XYZ color 31.0482, 35.8210, 24.6798 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 31.0482, 35.8210, 24.6798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

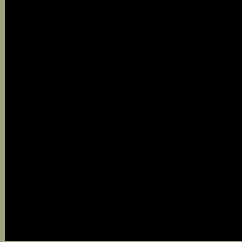
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 31.0482, 35.8210, 24.6798

Background



This preview shows how black text looks on a background with the XYZ color 31.0482, 35.8210, 24.6798.



This preview shows how white text looks on a background with the XYZ color 31.0482, 35.8210,

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

31.0482, 35.8210, 24.6798

Protanopia

33.3333, 35.6905, 23.8710

Deuteranopia

36.2911, 35.6664, 25.0502



Tritanopia

35.1215, 35.9067, 44.1093

Trichromacy



Original Color

31.0482, 35.8210, 24.6798

Protanomaly

32.4612, 35.7566, 24.2596

Deuteranomaly

34.0685, 35.5327, 24.8016

Tritanomaly

33.3339, 35.6808, 36.1405

Monochromacy



Original Color

31.0482, 35.8210, 24.6798

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.8378, 34.7332, 32.2203

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.0482, 35.8210, 24.6798 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(156, 166, 125)` looks like.

```
.text, #text, p{  
    color:rgb(156, 166, 125)  
}
```

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(156, 166, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 166, 125) }
```

Border

The CSS property to change the border of an element to XYZ 31.0482, 35.8210, 24.6798 is called "border". The border property can be set on classes, ids or directly on the HTML element.

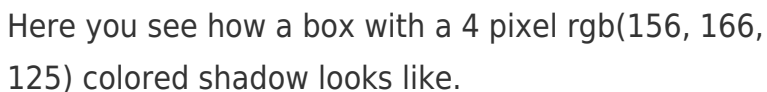
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(156, 166, 125) }
```


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

```
.border{ border-color:rgb(156, 166, 125) }
```

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



Here you see how a box with a 4 pixel `rgb(156, 166, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(156, 166, 125); -webkit-box-shadow:4px 4px 4px 4px rgb(156, 166, 125); box-shadow:4px 4px 4px 4px rgb(156, 166, 125) }
```

Background

The CSS property to change the background color of an element to XYZ 31.0482, 35.8210, 24.6798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 166, 125) }
```

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

```
.background{ background-color: rgb(156,  
166, 125) }
```

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