

Converting Colors

XYZ(31.0325, 35.6468, 29.1277)

Have a look what the booklet for
XYZ(31.0325, 35.6468, 29.1277)
contains.

XYZ(31.1726, 35.7828, 29.3086)	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(31.1726, 35.7828,
29.3086)**

Conversions

Conversions Part 1

Format	Color
Hex	98A68A
RGB	152, 166, 138
RGB Percent	60%, 65%, 54%
CMY	0.4039, 0.3490, 0.4588
CMYK	0.08, 0.00, 0.17, 0.35
HSL	90°, 14%, 60%
HSV	90°, 17%, 65%
XYZ	31.1726, 35.7828, 29.3086
YIQ	158.6220, 0.6440, -11.6760

Conversions

Conversions Part 2

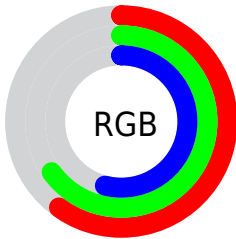
Format	Color
RYB	138, 166, 152
Decimal	10004106
CIELab	66.35, -10.16, 12.85
CIElCh	66, 16.386, 128.325
Yxy	35.7828, 0.3238, 0.3717
Android (android.graphics.Color)	4288194186 (0xFF98A68A)
YUV	158.6220, -10.1666, -5.8075
Hunter-Lab	59.8187, -11.6633, 12.8236

Details

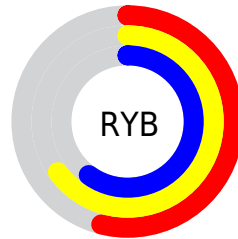
The XYZ color **31.1726, 35.7828, 29.3086** is a light color, and the websafe version is hex **999966**. A complement of this color would be **28.9217, 27.6065, 39.8825**, and the grayscale version is **32.8276, 34.5372, 37.6110**.

A 20% lighter version of the original color is **60.7140, 68.5963, 59.3307**, and **13.1456, 15.5059, 11.5326** is the 20% darker color. If you saturate the color by 10%, you get **28.5620, 34.5665, 23.3850**, and if you desaturate by 10%, it is **34.0776, 37.1318, 36.2064**.

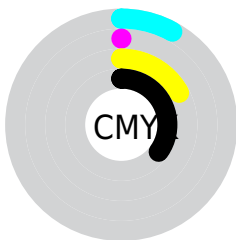
Distribution



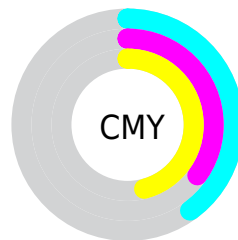
- Red (60%)
- Green (65%)
- Blue (54%)



- Red (54%)
- Yellow (65%)
- Blue (60%)



- Cyan (8%)
- Magenta (0%)
- Yellow (17%)
- Black (35%)



- Cyan (40%)
- Magenta (35%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.1726, 35.7828, 29.3086 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 31.1726, 35.7828, 29.3086 by changing the saturation by 10% instead.

■ 31.1726, 35.7828,
29.3086

■ 31.1726, 35.7828,
29.3086

299.1454,
328.0102, 312.7746

■ 20.8828, 24.2665,
19.0668

■ 60.8857, 68.6967,
59.6151

■ 13.1503, 15.5314,
11.5413

■ 81.0397, 90.8631,
80.5168

■ 7.6099, 9.1932,
6.3134

■ 105.2125,
117.3483, 105.8090

■ 3.8960, 4.8674,
2.9647

133.7694,
148.5367, 135.9100

■ 1.6435, 2.1697,
1.0766

167.0758,
184.8127, 171.2386

■ 0.4205, 0.7034,
0.0000

205.4970,

■ 0.0000, 0.0000,

226.5606, 212.2132

0.0000

249.3984,
274.1650, 259.2524

■ 31.1726, 35.7828,
29.3086

■ 31.1726, 35.7828,
29.3086

■ 28.5620, 34.5665,
23.3850

■ 34.0776, 37.1318,
36.2064

■ 26.2324, 33.4737,
18.3894

■ 37.2841, 38.6130,
44.1172

■ 24.1736, 32.5013,
14.2754

■ 40.8025, 40.2321,
53.0805

■ 22.3734, 31.6441,
10.9914

■ 44.6417, 41.9927,
63.1331

■ 20.8187, 30.8965,
8.4807

■ 48.8103, 43.8987,
74.3097

■ 19.4948, 30.2525,
6.6795

■ 53.3166, 45.9534,
86.6439

■ 18.3849, 29.7050,
5.5136

■ 58.1685, 48.1603,
100.1675

■ 17.4657, 29.2443,
4.8735

■ 60.7232, 49.4626,
100.9545

■ 17.2035, 29.1125,
4.7126

■ 63.2745, 50.7778,
101.0739

Harmonies

Analogous

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



33.3331, 35.7828, 27.0809



31.1726, 35.7828, 29.3086



29.8187, 35.7828, 34.1888

Triad

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



31.1726, 35.7828, 29.3086



32.3004, 35.7828, 52.8886



38.8868, 35.7828, 37.0408

Complementary

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



31.1726, 35.7828, 29.3086



28.9217, 27.6065, 39.8825

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.



38.5777, 35.7828, 44.1586



31.1726, 35.7828, 29.3086



34.6970, 35.7828, 53.8899

Square

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



31.1726, 35.7828, 29.3086



30.4478, 35.7828, 47.9389



37.0156, 35.7828, 50.5302



37.8408, 35.7828, 31.1811

Rectangle

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



31.1726, 35.7828, 29.3086



29.5165, 35.7828, 38.5685



37.0156, 35.7828, 50.5302



38.9389, 35.7828, 39.3569

Sweetspot

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



31.1736, 35.7844, 29.3094



62.8372, 67.8467, 68.1206



31.5429, 32.3998, 28.6366



13.9767, 15.1435, 15.0370



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.



31.1736, 35.7844, 29.3094



54.8545, 64.1413, 49.2278



28.7060, 34.5123, 29.1939



7.7807, 8.5850, 8.0363



13.3938, 22.6020, 3.6567



0.3849, 0.5804, 0.0917

Inverse Universe

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



28.9217, 27.6065, 39.8825



50.0380, 46.6500, 71.8423



31.6987, 29.0381, 40.0125



7.4758, 7.4779, 9.4677



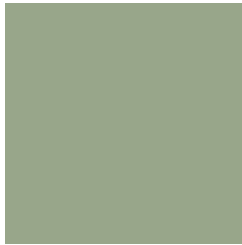
8.1582, 3.5892, 28.2383



0.2576, 0.1178, 0.6898

Previews

White Background



This preview shows how the XYZ color 31.1726, 35.7828, 29.3086 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 31.1726, 35.7828, 29.3086 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

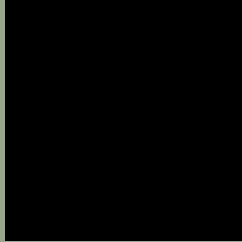
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

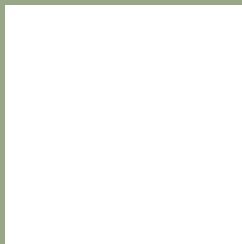
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.1726, 35.7828, 29.3086

Background



This preview shows how black text looks on a background with the XYZ color 31.1726, 35.7828, 29.3086.



This preview shows how white text looks on a background with the XYZ color 31.1726, 35.7828,

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

31.1726, 35.7828, 29.3086

Protanopia

33.6956, 35.7851, 28.0529

Deuteranopia

36.2221, 35.5265, 29.7591



Tritanopia

34.2895, 35.7138, 45.1306

Trichromacy



Original Color

31.1726, 35.7828, 29.3086

Protanomaly

32.6454, 35.7585, 28.4740

Deuteranomaly

34.0716, 35.4310, 29.4692

Tritanomaly

33.0478, 35.7362, 38.8742

Monochromacy



Original Color

31.1726, 35.7828, 29.3086

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

32.2165, 35.1429, 34.3634

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1726, 35.7828, 29.3086 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(152, 166, 138)` looks like.

```
.text, #text, p{  
    color:rgb(152, 166, 138)  
}
```

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(152, 166, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 166, 138) }
```

Border

The CSS property to change the border of an element to XYZ 31.1726, 35.7828, 29.3086 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(152, 166, 138) }
```


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

```
.border{ border-color:rgb(152, 166, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 166, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 166, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 166, 138);  
box-shadow:4px 4px 4px 4px rgb(152, 166,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1726, 35.7828, 29.3086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 166, 138) }
```

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

```
.background{ background-color: rgb(152,  
166, 138) }
```

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