

Converting Colors

XYZ(31.1101, 37.6745, 25.6860)

Have a look what the booklet for
XYZ(31.1101, 37.6745, 25.6860)
contains.

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Color

**XYZ(31.1688, 37.8090,
25.7338)**

Conversions

Conversions Part 1

Format	Color
Hex	95AD7F
RGB	149, 173, 127
RGB Percent	58%, 68%, 50%
CMY	0.4157, 0.3216, 0.5020
CMYK	0.14, 0.00, 0.27, 0.32
HSL	91°, 22%, 59%
HSV	91°, 27%, 68%
XYZ	31.1688, 37.8090, 25.7338
YIQ	160.5800, 0.4620, -19.3940

Conversions

Conversions Part 2

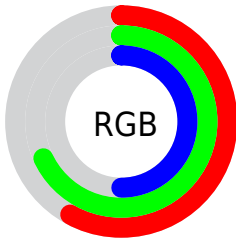
Format	Color
RYB	127, 173, 151
Decimal	9809279
CIELab	67.88, -16.75, 20.97
CIELCh	68, 26.836, 128.627
Yxy	37.8090, 0.3291, 0.3992
Android (android.graphics.Color)	4287999359 (0xFF95AD7F)
YUV	160.5800, -16.5549, -10.1557
Hunter-Lab	61.4890, -17.1241, 18.2288

Details

The XYZ color **31.1688, 37.8090, 25.7338** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **27.8962, 24.7762, 42.8492**, and the grayscale version is **33.7565, 35.5144, 38.6752**.

A 20% lighter version of the original color is **60.8835, 71.6195, 53.7951**, and **13.2495, 16.8215, 9.7563** is the 20% darker color. If you saturate the color by 10%, you get **28.5534, 36.5811, 20.2227**, and if you desaturate by 10%, it is **34.1075, 39.1834, 32.2723**.

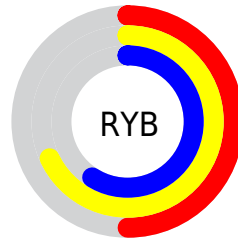
Distribution



Red (58%)

Green (68%)

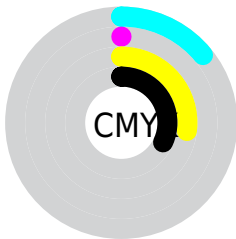
Blue (50%)



Red (50%)

Yellow (68%)

Blue (59%)

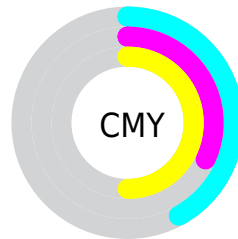


Cyan (14%)

Magenta (0%)

Yellow (27%)

Black (32%)



Cyan (42%)


Magenta (32%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.1688, 37.8090, 25.7338 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 31.1688, 37.8090, 25.7338 by changing the saturation by 10% instead.


 31.1688, 37.8090,
25.7338


 31.1688, 37.8090,
25.7338


299.1282,
336.7999, 295.0366


 20.8799, 25.8345,
16.4006


 60.8798, 71.8153,
53.8240

 13.1482, 16.6999,
9.6507


 81.0325, 94.6159,
73.4181

 7.6084, 10.0207,
5.0654


 105.2039,
121.7939, 97.2696

 3.8951, 5.4127,
2.2263

133.7594,
153.7338, 125.7970

 1.6429, 2.4914,
0.6895

167.0641,
190.8199, 159.4188

 0.4202, 0.8723,
0.0000

205.4836,

 0.0000, 0.0000,

233.4368, 198.5537

0.0000

249.3832,
281.9686, 243.6201

■ 31.1688, 37.8090,
25.7338

■ 31.1688, 37.8090,
25.7338

■ 28.5534, 36.5811,
20.2227

■ 34.1075, 39.1834,
32.2723

■ 26.2455, 35.4894,
15.6842

■ 37.3786, 40.7046,
39.8842

■ 24.2325, 34.5298,
12.0624

■ 40.9942, 42.3791,
48.6157

■ 22.4992, 33.6957,
9.2945

■ 44.9652, 44.2113,
58.5097

■ 21.0292, 32.9803,
7.3098

■ 49.3017, 46.2057,
69.6066

■ 19.8036, 32.3756,
6.0265

■ 54.0135, 48.3665,
81.9452

■ 18.7971, 31.8711,
5.3304

■ 59.1100, 50.6978,
95.5622

■ 18.4882, 31.7156,
5.1473

■ 62.8793, 52.5149,
101.4300

■ 65.7058, 53.9721,
101.5623

Harmonies

Analogous

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



34.7492, 37.8090, 22.4120



31.1688, 37.8090, 25.7338



28.9876, 37.8090, 33.3677

Triad

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



31.1688, 37.8090, 25.7338



33.0982, 37.8090, 66.4096



44.4428, 37.8090, 37.8245

Complementary

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



31.1688, 37.8090, 25.7338



27.8962, 24.7762, 42.8492

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.



43.9152, 37.8090, 50.0970



31.1688, 37.8090, 25.7338



37.1501, 37.8090, 68.2372

Square

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



31.1688, 37.8090, 25.7338



30.0403, 37.8090, 57.1953



41.1668, 37.8090, 61.7923



42.5573, 37.8090, 28.4544

Rectangle

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



31.1688, 37.8090, 25.7338



28.5154, 37.8090, 40.6211



41.1668, 37.8090, 61.7923



44.5445, 37.8090, 41.7190

Sweetspot

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



31.1698, 37.8106, 25.7346



65.9924, 72.4567, 69.1856



32.0949, 32.4761, 24.6562



14.1493, 15.6571, 14.5832



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.



31.1698, 37.8106, 25.7346



52.9563, 66.3692, 39.9801



27.5780, 35.9532, 25.8284



8.2552, 9.1201, 8.5386



13.6469, 23.3323, 3.7843



0.4431, 0.6818, 0.1082

Inverse Universe

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



27.8962, 24.7762, 42.8492



46.0837, 39.0076, 75.9061



32.2933, 27.0516, 42.6687



7.9626, 7.9550, 10.0685



8.7245, 3.8575, 29.3293



0.3054, 0.1396, 0.8188

Previews

White Background



This preview shows how the XYZ color 31.1688, 37.8090, 25.7338 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 31.1688, 37.8090, 25.7338 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 31.1688, 37.8090, 25.7338

Background



This preview shows how black text looks on a background with the XYZ color 31.1688, 37.8090, 25.7338.



This preview shows how white text looks on a background with the XYZ color 31.1688, 37.8090,

25.7338.

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

31.1688, 37.8090, 25.7338

Protanopia

35.1617, 37.6874, 24.1601

Deuteranopia

38.2484, 37.4029, 26.3227



Tritanopia

35.6775, 37.6952, 48.0433

Trichromacy



Original Color

31.1688, 37.8090, 25.7338

Protanomaly

33.5771, 37.6760, 24.5713

Deuteranomaly

35.1911, 37.1265, 26.0802

Tritanomaly

33.8596, 37.7840, 38.7662

Monochromacy



Original Color

31.1688, 37.8090, 25.7338

Achromatopsia

33.8758, 35.6400, 38.8120

Achromatomaly

32.7846, 36.2483, 33.7025

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.1688, 37.8090, 25.7338 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(149, 173, 127)` looks like.

```
.text, #text, p{  
    color:rgb(149, 173, 127)  
}
```

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(149, 173, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 173, 127) }
```

Border

The CSS property to change the border of an element to XYZ 31.1688, 37.8090, 25.7338 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(149, 173, 127) }
```


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

```
.border{ border-color:rgb(149, 173, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 173, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 173, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 173, 127);  
box-shadow:4px 4px 4px 4px rgb(149, 173,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 31.1688, 37.8090, 25.7338 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 173, 127) }
```

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

```
.background{ background-color: rgb(149,  
173, 127) }
```

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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