

Converting Colors

XYZ(35.8431, 38.2661, 25.6364)

Have a look what the booklet for
XYZ(35.8431, 38.2661, 25.6364)
contains.

XYZ(35.8271, 38.2697, 25.5772)	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(35.8271, 38.2697,
25.5772)**

Conversions

Conversions Part 1

Format	Color
Hex	B2A67F
RGB	178, 166, 127
RGB Percent	70%, 65%, 50%
CMY	0.3020, 0.3490, 0.5020
CMYK	0.00, 0.07, 0.29, 0.30
HSL	46°, 25%, 60%
HSV	46°, 29%, 70%
XYZ	35.8271, 38.2697, 25.5772
YIQ	165.1420, 19.6710, -9.5850

Conversions

Conversions Part 2

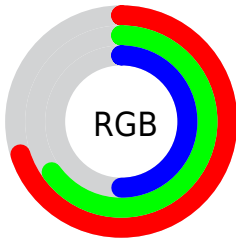
Format	Color
RYB	143, 178, 127
Decimal	11708031
CIELab	68.22, -1.83, 21.80
CIELCh	68, 21.878, 94.796
Yxy	38.2697, 0.3594, 0.3839
Android (android.graphics.Color)	4289898111 (0xFFB2A67F)
YUV	165.1420, -18.8040, 11.2765
Hunter-Lab	61.8625, -4.8828, 18.7902

Details

The XYZ color **35.8271, 38.2697, 25.5772** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.0208, 26.1910, 45.8036**, and the grayscale version is **35.9139, 37.7843, 41.1471**.

A 20% lighter version of the original color is **68.0264, 72.5006, 53.5887**, and **15.8499, 16.9447, 9.6430** is the 20% darker color. If you saturate the color by 10%, you get **34.0196, 36.3499, 19.7482**, and if you desaturate by 10%, it is **37.8664, 40.3245, 32.4956**.

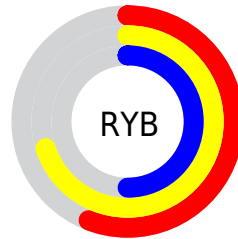
Distribution



Red (70%)

Green (65%)

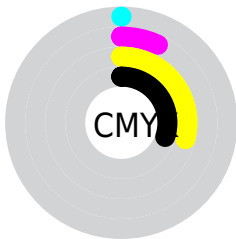
Blue (50%)



Red (56%)

Yellow (70%)

Blue (50%)

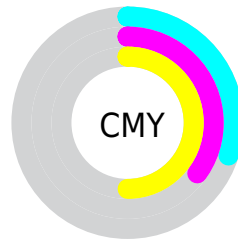


Cyan (0%)

Magenta (7%)

Yellow (29%)

Black (30%)



Cyan (30%)

Magenta (35%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.8271, 38.2697, 25.5772 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 35.8271, 38.2697, 25.5772 by changing the saturation by 10% instead.

■ 35.8271, 38.2697,
25.5772

■ 35.8271, 38.2697,
25.5772

319.6486,
338.7755, 294.2395

■ 24.4702, 26.1921,
16.2847

■ 68.0907, 72.5213,
53.5678

■ 15.8094, 16.9674,
9.5693

■ 89.7282, 95.4641,
73.1029

■ 9.4794, 10.2112,
5.0125

■ 115.5231,
122.7974, 96.8893

■ 5.1148, 5.5392,
2.1957

145.8410,
154.9057, 125.3455

■ 2.3502, 2.5670,
0.6719

181.0471,
192.1732, 158.8901

■ 0.8202, 0.9101,
0.0000

221.5069,

■ 0.0000, 0.0000,

234.9844, 197.9416

0.0000

267.5856,
283.7237, 242.9186

■ 35.8271, 38.2697,
25.5772

■ 35.8271, 38.2697,
25.5772

■ 34.0196, 36.3499,
19.7482

■ 37.8664, 40.3245,
32.4956

■ 32.4298, 34.5552,
14.9492

■ 40.1446, 42.5136,
40.5536

■ 31.0468, 32.8821,
11.1189

■ 42.6725, 44.8429,
49.8013

■ 29.8573, 31.3249,
8.1886

■ 45.4589, 47.3164,
60.2852

■ 28.8461, 29.8771,
6.0804

■ 48.5125, 49.9378,
72.0490

■ 27.9959, 28.5315,
4.7029

■ 51.8413, 52.7107,
85.1346

■ 27.2759, 27.2753,
3.8960

■ 55.4531, 55.6386,
99.5816

■ 27.1828, 27.1103,
3.8001

■ 56.9488, 57.7622,
102.7554

■ 57.9286, 59.7219,
103.0821

Harmonies

Analogous

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



39.2473, 38.2697, 26.8451



35.8271, 38.2697, 25.5772



32.7488, 38.2697, 28.0370

Triad

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



35.8271, 38.2697, 25.5772



31.2364, 38.2697, 53.3681



42.6551, 38.2697, 50.2155

Complementary

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



35.8271, 38.2697, 25.5772



26.0208, 26.1910, 45.8036

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.



40.2578, 38.2697, 59.1289



35.8271, 38.2697, 25.5772



33.6449, 38.2697, 61.1398

Square

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



35.8271, 38.2697, 25.5772



30.2063, 38.2697, 43.2639



36.9268, 38.2697, 63.3973



43.3293, 38.2697, 40.1142

Rectangle

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



35.8271, 38.2697, 25.5772



31.2607, 38.2697, 31.7269



36.9268, 38.2697, 63.3973



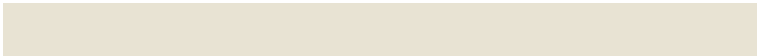
42.0170, 38.2697, 53.4978

Sweetspot

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



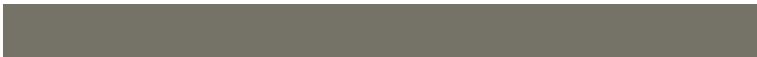
35.8281, 38.2714, 25.5780



72.5803, 76.8891, 72.7525



30.6651, 26.5303, 28.2195



15.9427, 16.9048, 15.6254



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

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



35.8281, 38.2714, 25.5780



62.9755, 67.3055, 39.8754



35.3206, 41.3995, 26.2085



9.0243, 9.5611, 9.0224



19.4995, 19.4976, 2.7357



0.6548, 0.6960, 0.0998

Inverse Universe

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



26.0208, 26.1910, 45.8036



42.4360, 42.0114, 82.2536



26.3988, 23.9474, 45.3506



8.1989, 8.5439, 10.7233



6.3803, 3.5610, 30.4880



0.2460, 0.2026, 0.9744

Previews

White Background



This preview shows how the XYZ color 35.8271, 38.2697, 25.5772 looks on a white background.

Color Contrast Check

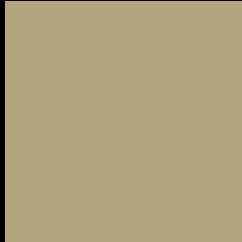
Large Text (above 18pt) WCAG AA × Fail

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 35.8271, 38.2697, 25.5772 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

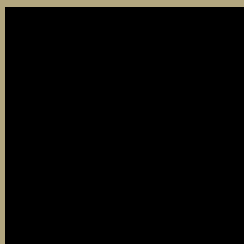
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

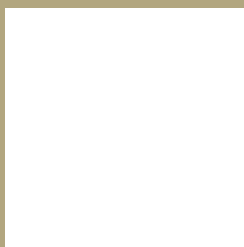
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 35.8271, 38.2697, 25.5772

Background



This preview shows how black text looks on a background with the XYZ color 35.8271, 38.2697, 25.5772.



This preview shows how white text looks on a background with the XYZ color 35.8271, 38.2697,

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

35.8271, 38.2697, 25.5772

Protanopia

35.8271, 38.2697, 25.5772

Deuteranopia

38.9728, 38.3022, 25.7611



Tritanopia

39.5456, 38.1874, 44.3164

Trichromacy



Original Color

35.8271, 38.2697, 25.5772

Protanomaly

35.8271, 38.2697, 25.5772

Deuteranomaly

37.8029, 38.2180, 25.8065

Tritanomaly

37.9771, 38.0647, 36.7981

Monochromacy



Original Color

35.8271, 38.2697, 25.5772

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.6186, 37.6907, 34.6759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.8271, 38.2697, 25.5772 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(178, 166, 127)` looks like.

```
.text, #text, p{  
    color:rgb(178, 166, 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(178, 166, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(178, 166, 127) }
```

Border

The CSS property to change the border of an element to XYZ 35.8271, 38.2697, 25.5772 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(178, 166, 127) }
```


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

```
.border{ border-color:rgb(178, 166, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(178, 166, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(178, 166, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(178, 166, 127);  
box-shadow:4px 4px 4px 4px rgb(178, 166,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 35.8271, 38.2697, 25.5772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(178, 166, 127) }
```

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

```
.background{ background-color: rgb(178,  
166, 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](#).

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