

Converting Colors

XYZ(38.8662, 38.2003, 27.8792)

Have a look what the booklet for
XYZ(38.8662, 38.2003, 27.8792)
contains.

XYZ(38.8662, 38.2003, 27.8792)	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(38.8662, 38.2003,
27.8792)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A086
RGB	193, 160, 134
RGB Percent	76%, 63%, 53%
CMY	0.2431, 0.3725, 0.4745
CMYK	0.00, 0.17, 0.31, 0.24
HSL	26°, 32%, 64%
HSV	26°, 31%, 76%
XYZ	38.8662, 38.2003, 27.8792
YIQ	166.9030, 28.0140, -1.0900

Conversions

Conversions Part 2

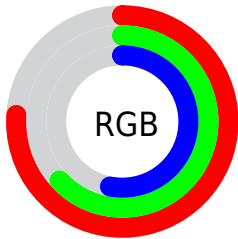
Format	Color
R_{YB}	193, 180, 134
Decimal	12689542
CIE _{Lab}	68.17, 8.33, 18.12
CIE _{LCh}	68, 19.939, 65.315
Yxy	38.2003, 0.3703, 0.3640
Android (android.graphics.Color)	4290879622 (0xFFC1A086)
YUV	166.9030, -16.2212, 22.8871
Hunter-Lab	61.8064, 4.0864, 16.5204

Details

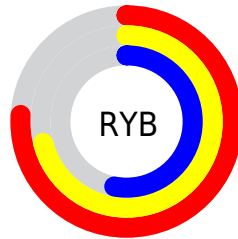
The XYZ color **38.8662, 38.2003, 27.8792** is a light color, and the websafe version is hex **CC9999**. A complement of this color would be **33.2755, 36.5549, 55.7542**, and the grayscale version is **36.7511, 38.6650, 42.1062**.

A 20% lighter version of the original color is **72.6944, 72.5127, 57.1787**, and **17.5501, 16.9806, 10.7401** is the 20% darker color. If you saturate the color by 10%, you get **35.8506, 34.1302, 20.8280**, and if you desaturate by 10%, it is **42.2919, 42.6971, 36.2800**.

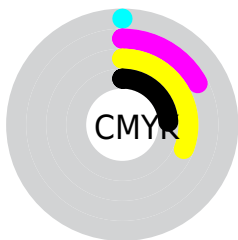
Distribution



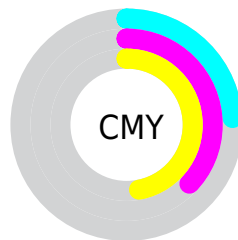
- Red (76%)
- Green (63%)
- Blue (53%)



- Red (76%)
- Yellow (71%)
- Blue (53%)



- Cyan (0%)
- Magenta (17%)
- Yellow (31%)
- Black (24%)





- Cyan (24%)
- Magenta (37%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8662, 38.2003, 27.8792 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 38.8662, 38.2003, 27.8792 by changing the saturation by 10% instead.


 38.8662, 38.2003,
27.8792


 38.8662, 38.2003,
27.8792


332.5383,
338.4784, 305.7830


 26.8359, 26.1382,
17.9964


 72.7293, 72.4150,
57.3123

 17.5860, 16.9270,
10.7780


 95.2927, 95.3365,
77.6996

 10.7510, 10.1825,
5.8054


 122.0980,
122.6464, 102.4256

 5.9657, 5.5201,
2.6603

153.5104,
154.7293, 131.9086

 2.8647, 2.5555,
0.9233

189.8952,
191.9696, 166.5674

 1.0826, 0.9044,
0.0000

231.6179,

 0.0105, 0.0000,

234.7516, 206.8203

0.0000

279.0438,
283.4598, 253.0860

■ 0.0000, 0.0000,
0.0000

■ 38.8662, 38.2003,
27.8792

■ 38.8662, 38.2003,
27.8792

■ 35.8506, 34.1302,
20.8280

■ 42.2919, 42.6971,
36.2800

■ 33.2247, 30.4681,
15.0522

■ 46.1412, 47.6283,
46.0945

■ 30.9706, 27.2012,
10.4740


■ 50.4303, 53.0078,
57.3855


■ 29.0675, 24.3140,
7.0060


■ 55.1738, 58.8473,
70.2112


■ 27.4921, 21.7899,
4.5487

■ 60.3855, 65.1583,
84.6268


 26.2174, 19.6101,
2.9843

 66.0787, 71.9514,
100.6847

 25.2459, 17.8446,
2.1137

 69.9113, 78.2954,
106.0355

 73.1058, 84.6844,
107.1004

 75.8024, 90.0775,
107.9992

Harmonies

Analogous

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



41.4155, 38.2003, 32.4488



38.8662, 38.2003, 27.8792



35.7565, 38.2003, 26.7513

Triad

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



38.8662, 38.2003, 27.8792



30.6677, 38.2003, 43.2022



39.8801, 38.2003, 57.2109

Complementary

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



38.8662, 38.2003, 27.8792



33.2755, 36.5549, 55.7542

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.



36.8656, 38.2003, 61.1071



38.8662, 38.2003, 27.8792



31.6391, 38.2003, 52.3129

Square

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



38.8662, 38.2003, 27.8792



31.1358, 38.2003, 34.8364



33.8650, 38.2003, 59.1979



42.0239, 38.2003, 49.1726

Rectangle

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



38.8662, 38.2003, 27.8792



33.8081, 38.2003, 27.9403



33.8650, 38.2003, 59.1979



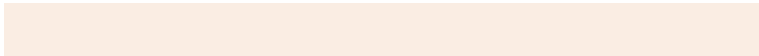
38.9287, 38.2003, 59.0970

Sweetspot

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



38.8672, 38.2021, 27.8800



83.6876, 86.6291, 85.2796



37.5329, 31.1942, 40.8128



17.7227, 18.2925, 17.6950



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



38.8672, 38.2021, 27.8800



65.7492, 63.2298, 40.8335



44.5075, 49.4827, 29.7601



10.4303, 10.7921, 10.5952



16.8684, 12.0226, 1.4315



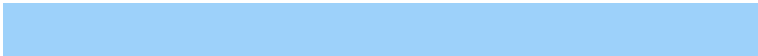
0.7974, 0.6566, 0.0847

Inverse Universe

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



33.2755, 36.5549, 55.7542



54.0663, 59.7812, 99.0496



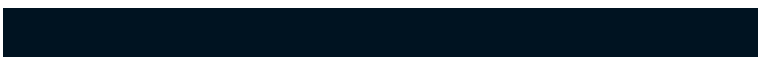
28.5365, 27.0769, 54.1745



9.9850, 10.6613, 12.8164



10.0452, 9.8469, 34.9278



0.5018, 0.5609, 1.5317

Previews

White Background



This preview shows how the XYZ color 38.8662, 38.2003, 27.8792 looks on a white background.

Color Contrast Check

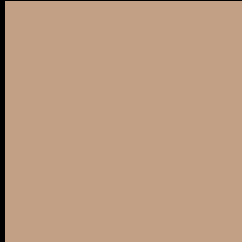
Large Text (above 18pt) WCAG AA × Fail

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 38.8662, 38.2003, 27.8792 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

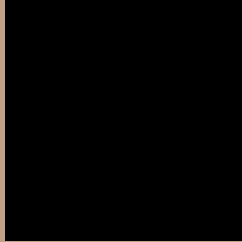
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.8662, 38.2003, 27.8792

Background



This preview shows how black text looks on a background with the XYZ color 38.8662, 38.2003, 27.8792.



This preview shows how white text looks on a background with the XYZ color 38.8662, 38.2003,

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

38.8662, 38.2003, 27.8792

Protanopia

36.0561, 38.3087, 29.1609

Deuteranopia

38.8662, 38.2003, 27.8792



Tritanopia

41.7224, 38.1030, 41.7148

Trichromacy



Original Color

38.8662, 38.2003, 27.8792

Protanomaly

37.0108, 38.2736, 28.7294

Deuteranomaly

38.8662, 38.2003, 27.8792

Tritanomaly

40.7383, 38.2163, 36.2397

Monochromacy



Original Color

38.8662, 38.2003, 27.8792

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.0964, 38.1476, 36.4184

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8662, 38.2003, 27.8792 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(193, 160, 134)` looks like.

```
.text, #text, p{  
    color:rgb(193, 160, 134)  
}
```

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(193, 160, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 160, 134) }
```

Border

The CSS property to change the border of an element to XYZ 38.8662, 38.2003, 27.8792 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(193, 160, 134) }
```


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

```
.border{ border-color:rgb(193, 160, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 160, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 160, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 160, 134);  
box-shadow:4px 4px 4px 4px rgb(193, 160,  
134) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8662, 38.2003, 27.8792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 160, 134) }
```

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

```
.background{ background-color: rgb(193,  
160, 134) }
```

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