

Converting Colors

XYZ(28.6643, 37.9094, 29.7783)

Have a look what the booklet for
XYZ(28.6643, 37.9094, 29.7783)
contains.

XYZ(28.6762, 37.8867, 29.8462)	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(28.6762, 37.8867,
29.8462)**

Conversions

Conversions Part 1

Format	Color
Hex	7BB28A
RGB	123, 178, 138
RGB Percent	48%, 70%, 54%
CMY	0.5176, 0.3019, 0.4588
CMYK	0.31, 0.00, 0.22, 0.30
HSL	136°, 26%, 59%
HSV	136°, 31%, 70%
XYZ	28.6762, 37.8867, 29.8462
YIQ	156.9950, -19.9400, -24.1000

Conversions

Conversions Part 2

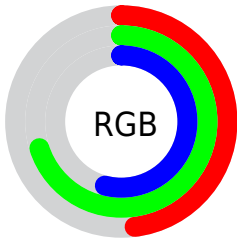
Format	Color
RYB	123, 166, 178
Decimal	8106634
CIELab	67.94, -26.45, 14.80
CIELCh	68, 30.307, 150.769
Yxy	37.8867, 0.2974, 0.3930
Android (android.graphics.Color)	4286296714 (0xFF7BB28A)
YUV	156.9950, -9.3645, -29.8136
Hunter-Lab	61.5522, -24.5559, 14.3372

Details

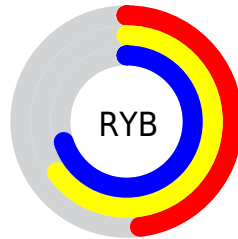
The XYZ color **28.6762, 37.8867, 29.8462** is a dark color, and the websafe version is hex **99CC99**. A complement of this color would be **32.0552, 26.2761, 38.0342**, and the grayscale version is **32.0936, 33.7649, 36.7700**.

A 20% lighter version of the original color is **57.0687, 71.9985, 60.7584**, and **11.7676, 16.7495, 11.8453** is the 20% darker color. If you saturate the color by 10%, you get **25.4757, 36.3397, 25.0923**, and if you desaturate by 10%, it is **32.4535, 39.7202, 35.2120**.

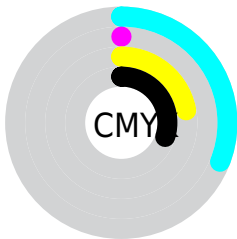
Distribution



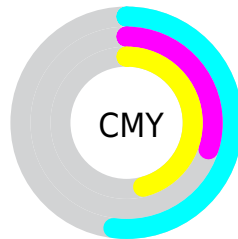
- Red (48%)
- Green (70%)
- Blue (54%)



- Red (48%)
- Yellow (65%)
- Blue (70%)



- Cyan (31%)
- Magenta (0%)
- Yellow (22%)
- Black (30%)



- Cyan (52%)
- Magenta (30%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.6762, 37.8867, 29.8462 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 28.6762, 37.8867, 29.8462 by changing the saturation by 10% instead.

■ 28.6762, 37.8867,
29.8462

■ 28.6762, 37.8867,
29.8462

287.7059,
337.1337, 315.3719

■ 18.9791, 25.8948,
19.4708

■ 56.9634, 71.9344,
60.4770

■ 11.7591, 16.7449,
11.8307

■ 76.2841, 94.7590,
81.5695

■ 6.6509, 10.0528,
6.5074

■ 99.5434, 121.9633,
107.0714

■ 3.2891, 5.4340,
3.0822

127.1066,
153.9317, 137.4014

■ 1.3084, 2.5041,
1.1368

159.3391,
191.0485, 172.9778

■ 0.1895, 0.8787,
0.0000

196.6063,

■ 0.0000, 0.0000,

233.6982, 214.2194

0.0000

239.2734,
282.2651, 261.5445

■ 28.6762, 37.8867,
29.8462

■ 28.6762, 37.8867,
29.8462

■ 25.4757, 36.3397,
25.0923

■ 32.4535, 39.7202,
35.2120

■ 22.8198, 35.0601,
20.9259

■ 36.8316, 41.8490,
41.2078

■ 20.6781, 34.0335,
17.3248


■ 41.8365, 44.2872,
47.8541


■ 19.0155, 33.2424,
14.2645


■ 47.4920, 47.0467,
55.1698


■ 17.7924, 32.6670,
11.7184


■ 53.8208, 50.1387,
63.1728


 16.9625, 32.2838,
9.6578

 60.8440, 53.5738,
71.8806

 16.4659, 32.0602,
8.1761

 68.5823, 57.3624,
81.3099

 73.1233, 59.4871,
91.2928

 75.1329, 60.2910,
101.8754

Harmonies

Analogous

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



31.5761, 37.8867, 22.7499



28.6762, 37.8867, 29.8462



27.6982, 37.8867, 41.6011

Triad

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



28.6762, 37.8867, 29.8462



36.1318, 37.8867, 72.9726



44.3590, 37.8867, 29.3631

Complementary

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



28.6762, 37.8867, 29.8462



32.0552, 26.2761, 38.0342

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.



45.8380, 37.8867, 40.9052



28.6762, 37.8867, 29.8462



40.8410, 37.8867, 67.7687

Square

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



28.6762, 37.8867, 29.8462



31.7693, 37.8867, 68.2543



44.4987, 37.8867, 55.2468



40.6126, 37.8867, 22.5167

Rectangle

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



28.6762, 37.8867, 29.8462



28.1941, 37.8867, 51.1420



44.4987, 37.8867, 55.2468



45.1517, 37.8867, 32.7274

Sweetspot

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



28.6772, 37.8883, 29.8470



68.2884, 76.6173, 76.7404



34.6695, 41.0944, 24.8440



14.8537, 16.8404, 16.6316



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.



28.6772, 37.8883, 29.8470



47.9774, 66.7574, 48.1923



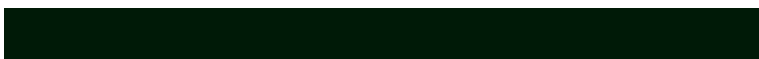
30.8967, 38.7761, 41.5344



8.4810, 9.5269, 9.5268



11.8043, 22.9477, 5.9721



0.3965, 0.7321, 0.3201

Inverse Universe

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



32.0552, 26.2761, 38.0342



55.0668, 42.3664, 65.3599



29.8762, 25.4045, 26.5601



8.7492, 8.6064, 10.1775



16.0212, 7.9260, 15.8035



0.5270, 0.2586, 0.6181

Previews

White Background



This preview shows how the XYZ color 28.6762, 37.8867, 29.8462 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 28.6762, 37.8867, 29.8462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

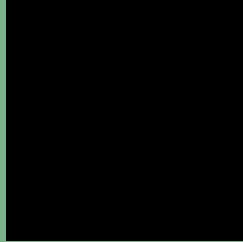
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 28.6762, 37.8867, 29.8462

Background



This preview shows how black text looks on a background with the XYZ color 28.6762, 37.8867, 29.8462.



This preview shows how white text looks on a background with the XYZ color 28.6762, 37.8867,

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

28.6762, 37.8867, 29.8462

Protanopia

35.2992, 37.6902, 27.2443

Deuteranopia

38.2669, 37.5681, 30.8257



Tritanopia

33.0252, 37.9134, 51.4763

Trichromacy



Original Color

28.6762, 37.8867, 29.8462

Protanomaly

32.3881, 37.5386, 28.0929

Deuteranomaly

33.9610, 37.1949, 30.5887

Tritanomaly

31.2572, 37.7664, 42.6880

Monochromacy



Original Color

28.6762, 37.8867, 29.8462

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.6372, 35.1320, 34.0206

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.6762, 37.8867, 29.8462 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(123, 178, 138)` looks like.

```
.text, #text, p{  
    color:rgb(123, 178, 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(123, 178, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 178, 138) }
```

Border

The CSS property to change the border of an element to XYZ 28.6762, 37.8867, 29.8462 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(123, 178, 138) }
```


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

```
.border{ border-color:rgb(123, 178, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 178, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 178, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 178, 138);  
box-shadow:4px 4px 4px 4px rgb(123, 178,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 28.6762, 37.8867, 29.8462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 178, 138) }
```

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

```
.background{ background-color: rgb(123,  
178, 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](#).

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