

Converting Colors

XYZ(29.2617, 38.3515, 38.3337)

Have a look what the booklet for
XYZ(29.2617, 38.3515, 38.3337)
contains.

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Color

**XYZ(29.2311, 38.2862,
38.1971)**

Conversions

Conversions Part 1

Format	Color
Hex	72B39E
RGB	114, 179, 158
RGB Percent	45%, 70%, 62%
CMY	0.5529, 0.2980, 0.3804
CMYK	0.36, 0.00, 0.12, 0.30
HSL	161°, 30%, 57%
HSV	161°, 36%, 70%
XYZ	29.2311, 38.2862, 38.1971
YIQ	157.1710, -31.9990, -20.3110

Conversions

Conversions Part 2

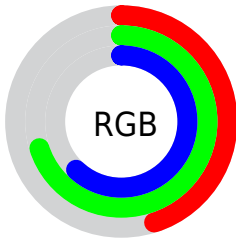
Format	Color
RYB	114, 153, 179
Decimal	7517086
CIELab	68.23, -25.57, 4.17
CIELCh	68, 25.904, 170.733
Yxy	38.2862, 0.2765, 0.3622
Android (android.graphics.Color)	4285707166 (0xFF72B39E)
YUV	157.1710, 0.4087, -37.8610
Hunter-Lab	61.8758, -23.9566, 6.7123

Details

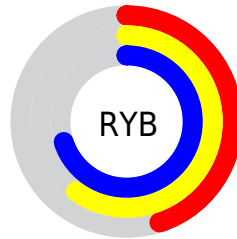
The XYZ color **29.2311, 38.2862, 38.1971** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.9822, 23.3686, 25.9063**, and the grayscale version is **32.1342, 33.8077, 36.8165**.

A 20% lighter version of the original color is **57.8670, 72.5456, 73.9036**, and **12.1013, 17.0074, 16.5549** is the 20% darker color. If you saturate the color by 10%, you get **26.6407, 37.0080, 35.5385**, and if you desaturate by 10%, it is **32.3027, 39.8118, 41.0022**.

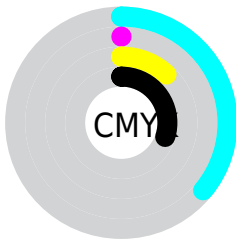
Distribution



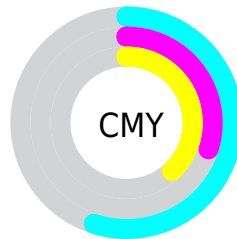
- Red (45%)
- Green (70%)
- Blue (62%)



- Red (45%)
- Yellow (60%)
- Blue (70%)



- Cyan (36%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)



- Cyan (55%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.2311, 38.2862, 38.1971 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 29.2311, 38.2862, 38.1971 by changing the saturation by 10% instead.

■ 29.2311, 38.2862,
38.1971

■ 29.2311, 38.2862,
38.1971

290.2784,
338.8461, 353.7882

■ 19.4009, 26.2049,
25.8327

■ 57.8391, 72.5466,
73.6169

■ 12.0660, 16.9770,
16.4739

■ 77.3475, 95.4945,
97.5094

■ 6.8612, 10.2181,
9.7021

■ 100.8128,
122.8333, 126.0816

■ 3.4210, 5.5438,
5.0989

128.6002,
154.9476, 159.7522

■ 1.3801, 2.5697,
2.2456

161.0751,
192.2216, 198.9396

■ 0.2420, 0.9115,
0.7005

198.6029,

■ 0.0000, 0.0000,

235.0397, 244.0623

0.0000

241.5488,
283.7864, 295.5391

■ 29.2311, 38.2862,
38.1971

■ 29.2311, 38.2862,
38.1971

■ 26.6407, 37.0080,
35.5385

■ 32.3027, 39.8118,
41.0022

■ 24.5014, 35.9586,
33.0209

■ 35.8772, 41.5929,
43.9539

■ 22.7842, 35.1243,
30.6420

■ 39.9786, 43.6428,
47.0559

■ 21.4559, 34.4878,
28.3986

■ 44.6287, 45.9728,
50.3107

■ 20.4775, 34.0291,
26.2869

■ 49.8479, 48.5933,
53.7207

■ 19.7973, 33.7217,
24.3029

■ 55.6554, 51.5142,
57.2885

■ 19.5822, 33.6261,
23.6014

■ 62.0696, 54.7450,
61.0163

■ 68.2923, 57.8741,
64.8683

■ 69.0003, 58.1573,
68.5968

Harmonies

Analogous

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



30.6865, 38.2862, 29.1021



29.2311, 38.2862, 38.1971



29.5805, 38.2862, 50.0934

Triad

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



29.2311, 38.2862, 38.1971



39.2176, 38.2862, 66.2237



41.5458, 38.2862, 26.6919

Complementary

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



29.2311, 38.2862, 38.1971



28.9822, 23.3686, 25.9063

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.



44.1714, 38.2862, 34.2782



29.2311, 38.2862, 38.1971



42.7595, 38.2862, 57.4602

Square

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



29.2311, 38.2862, 38.1971



35.1499, 38.2862, 67.8065



44.6313, 38.2862, 45.3836



37.6587, 38.2862, 23.3194

Rectangle

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



29.2311, 38.2862, 38.1971



30.8010, 38.2862, 58.0034



44.6313, 38.2862, 45.3836



42.6170, 38.2862, 28.7594

Sweetspot

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



29.2322, 38.2878, 38.1980



67.8979, 76.3095, 81.5314



29.2579, 38.6631, 21.8410



14.8270, 16.7985, 17.8993



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.



29.2322, 38.2878, 38.1980



48.3845, 66.6094, 64.3766



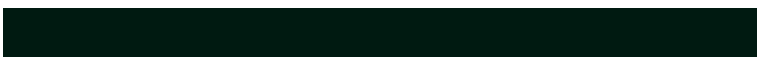
29.1108, 34.9004, 47.8517



8.6235, 9.5839, 10.2771



13.8679, 23.7731, 16.8391



0.4616, 0.7581, 0.6631

Inverse Universe

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



28.9822, 23.3686, 25.9063



47.8759, 35.7577, 38.9995



28.9414, 25.4248, 19.3024



8.6058, 8.5490, 9.4225



13.7005, 6.9977, 3.5826



0.4585, 0.2311, 0.2570

Previews

White Background



This preview shows how the XYZ color 29.2311, 38.2862, 38.1971 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 29.2311, 38.2862, 38.1971 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

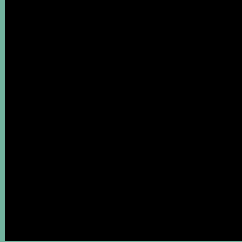
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.2311, 38.2862, 38.1971

Background



This preview shows how black text looks on a background with the XYZ color 29.2311, 38.2862, 38.1971.

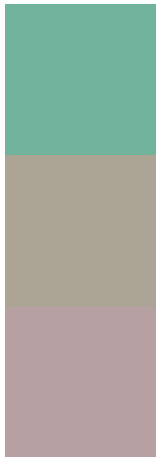


This preview shows how white text looks on a background with the XYZ color 29.2311, 38.2862,

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

29.2311, 38.2862, 38.1971

Protanopia

35.9734, 37.8829, 34.2703

Deuteranopia

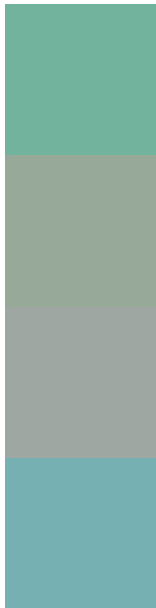
38.6208, 37.8175, 39.4464



Tritanopia

32.4004, 38.3990, 53.8482

Trichromacy



Original Color

29.2311, 38.2862, 38.1971

Protanomaly

32.8870, 37.6287, 35.6667

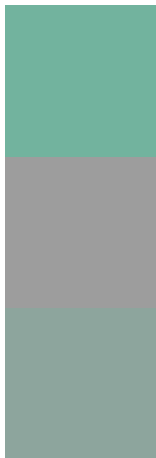
Deuteranomaly

34.3523, 37.4797, 39.1420

Tritanomaly

31.0324, 38.1166, 47.8411

Monochromacy



Original Color

29.2311, 38.2862, 38.1971

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

30.5254, 35.0073, 37.0465

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.2311, 38.2862, 38.1971 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(114, 179, 158)` looks like.

```
.text, #text, p{  
    color:rgb(114, 179, 158)  
}
```

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(114, 179, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(114, 179, 158) }
```

Border

The CSS property to change the border of an element to XYZ 29.2311, 38.2862, 38.1971 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(114, 179, 158) }
```


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

```
.border{ border-color:rgb(114, 179, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(114, 179, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(114, 179, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(114, 179, 158);  
box-shadow:4px 4px 4px 4px rgb(114, 179,  
158) }
```

Background

The CSS property to change the background color of an element to XYZ 29.2311, 38.2862, 38.1971 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(114, 179, 158) }
```

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

```
.background{ background-color: rgb(114,  
179, 158) }
```

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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