

Converting Colors

XYZ(29.9634, 38.5919, 37.9381)

Have a look what the booklet for
XYZ(29.9634, 38.5919, 37.9381)
contains.

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Color

**XYZ(29.9516, 38.6676,
37.7833)**

Conversions

Conversions Part 1

Format	Color
Hex	78B39D
RGB	120, 179, 157
RGB Percent	47%, 70%, 62%
CMY	0.5294, 0.2980, 0.3843
CMYK	0.33, 0.00, 0.12, 0.30
HSL	158°, 28%, 59%
HSV	158°, 33%, 70%
XYZ	29.9516, 38.6676, 37.7833
YIQ	158.8510, -28.1020, -19.3500

Conversions

Conversions Part 2

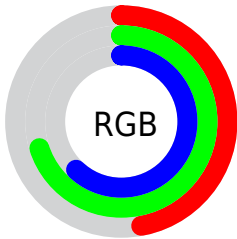
Format	Color
RYB	120, 156, 179
Decimal	7910301
CIELab	68.51, -24.02, 5.16
CIElCh	69, 24.566, 167.867
Yxy	38.6676, 0.2815, 0.3634
Android (android.graphics.Color)	4286100381 (0xFF78B39D)
YUV	158.8510, -0.9125, -34.0723
Hunter-Lab	62.1833, -22.8433, 7.5030

Details

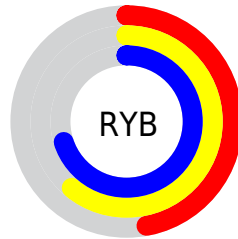
The XYZ color **29.9516, 38.6676, 37.7833** is a light color, and the websafe version is hex **669999**. A complement of this color would be **30.1906, 24.9705, 28.8212**, and the grayscale version is **32.9006, 34.6140, 37.6947**.

A 20% lighter version of the original color is **59.0476, 73.1688, 73.2982**, and **12.4463, 17.1913, 16.2979** is the 20% darker color. If you saturate the color by 10%, you get **27.1431, 37.2849, 34.7583**, and if you desaturate by 10%, it is **33.2575, 40.3052, 40.9958**.

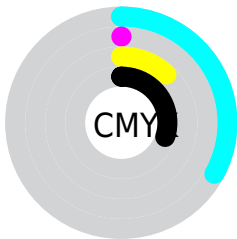
Distribution



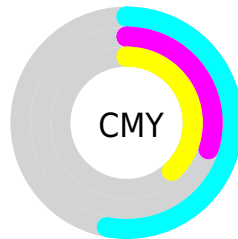
- Red (47%)
- Green (70%)
- Blue (62%)



- Red (47%)
- Yellow (61%)
- Blue (70%)



- Cyan (33%)
- Magenta (0%)
- Yellow (12%)
- Black (30%)



- Cyan (53%)
- Magenta (30%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9516, 38.6676, 37.7833 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 29.9516, 38.6676, 37.7833 by changing the saturation by 10% instead.

■ 29.9516, 38.6676,
37.7833

■ 29.9516, 38.6676,
37.7833

293.5927,
340.4752, 351.9597

■ 19.9497, 26.5012,
25.5140

■ 58.9728, 73.1302,
72.9756

■ 12.4666, 17.1990,
16.2379

■ 78.7228, 96.1953,
96.7357

■ 7.1367, 10.3765,
9.5365

■ 102.4530,
123.6621, 125.1632

■ 3.5948, 5.6493,
4.9912

130.5286,
155.9150, 158.6765

■ 1.4756, 2.6330,
2.1834

163.3150,
193.3383, 197.6943

■ 0.3091, 0.9433,
0.6648

201.1776,

■ 0.0000, 0.0000,

236.3165, 242.6351

0.0000

244.4817,
285.2340, 293.9174

■ 29.9516, 38.6676,
37.7833

■ 29.9516, 38.6676,
37.7833

■ 27.1431, 37.2849,
34.7583

■ 33.2575, 40.3052,
40.9958

■ 24.8024, 36.1387,
31.9143

■ 37.0819, 42.2054,
44.3969

■ 22.9015, 35.2158,
29.2482

■ 41.4487, 44.3816,
47.9909

■ 21.4082, 34.4996,
26.7560

■ 46.3791, 46.8445,
51.7812

■ 20.2854, 33.9710,
24.4329

■ 51.8935, 49.6047,
55.7711

■ 19.4889, 33.6074,
22.2742

■ 58.0109, 52.6718,
59.9638

■ 19.0595, 33.4171,
20.8487

■ 64.7495, 56.0554,
64.3625

■ 69.0439, 58.1749,
68.8258

■ 69.8953, 58.5154,
73.3092

Harmonies

Analogous

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



31.5094, 38.6676, 29.3714



29.9516, 38.6676, 37.7833



30.1199, 38.6676, 48.9797

Triad

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



29.9516, 38.6676, 37.7833



39.0812, 38.6676, 65.7969



41.9697, 38.6676, 28.2024

Complementary

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



29.9516, 38.6676, 37.7833



30.1906, 24.9705, 28.8212

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.



44.2934, 38.6676, 35.9011



29.9516, 38.6676, 37.7833



42.5470, 38.6676, 58.0651

Square

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



29.9516, 38.6676, 37.7833



35.2116, 38.6676, 66.5422



44.5118, 38.6676, 46.7388



38.3375, 38.6676, 24.5261

Rectangle

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



29.9516, 38.6676, 37.7833



31.1894, 38.6676, 56.5735



44.5118, 38.6676, 46.7388



42.9404, 38.6676, 30.3370

Sweetspot

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



29.9527, 38.6692, 37.7842



68.4942, 76.6232, 81.2726



30.7729, 39.4034, 23.7535



14.9430, 16.8604, 17.8109



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.



29.9527, 38.6692, 37.7842



49.6848, 67.3015, 63.4581



30.6584, 36.7987, 48.1367



8.6056, 9.5767, 10.1825



13.5001, 23.6260, 14.9020



0.4519, 0.7542, 0.6116

Inverse Universe

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



30.1906, 24.9705, 28.8212



50.1856, 38.7460, 44.7978



29.5560, 26.0893, 21.2477



8.6231, 8.5559, 9.5134



13.8767, 7.0683, 4.5109



0.4654, 0.2339, 0.2937

Previews

White Background



This preview shows how the XYZ color 29.9516, 38.6676, 37.7833 looks on a white background.

Color Contrast Check

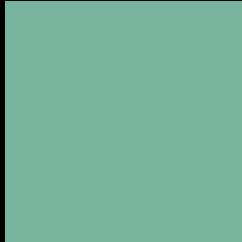
Large Text (above 18pt) WCAG AA × Fail

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 29.9516, 38.6676, 37.7833 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

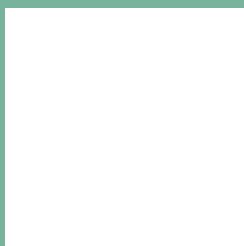
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.9516, 38.6676, 37.7833

Background



This preview shows how black text looks on a background with the XYZ color 29.9516, 38.6676, 37.7833.

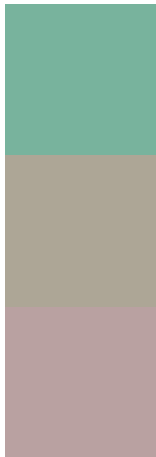


This preview shows how white text looks on a background with the XYZ color 29.9516, 38.6676,

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

29.9516, 38.6676, 37.7833

Protanopia

36.3748, 38.3587, 34.3410

Deuteranopia

39.1855, 38.3772, 39.0605



Tritanopia

32.9655, 38.4150, 53.2543

Trichromacy



Original Color

29.9516, 38.6676, 37.7833

Protanomaly

33.6391, 38.2958, 35.7558

Deuteranomaly

35.0457, 38.1204, 38.7686

Tritanomaly

31.7733, 38.5101, 47.3535

Monochromacy



Original Color

29.9516, 38.6676, 37.7833

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

31.4848, 35.7608, 37.5908

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.9516, 38.6676, 37.7833 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(120, 179, 157)` looks like.

```
.text, #text, p{  
    color:rgb(120, 179, 157)  
}
```

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(120, 179, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 179, 157) }
```

Border

The CSS property to change the border of an element to XYZ 29.9516, 38.6676, 37.7833 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(120, 179, 157) }
```


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

```
.border{ border-color:rgb(120, 179, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 179, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 179, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 179, 157);  
box-shadow:4px 4px 4px 4px rgb(120, 179,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 29.9516, 38.6676, 37.7833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 179, 157) }
```

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

```
.background{ background-color: rgb(120,  
179, 157) }
```

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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