

Converting Colors

XYZ(28.3681, 37.9536, 39.7890)

Have a look what the booklet for
XYZ(28.3681, 37.9536, 39.7890)
contains.

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Color

**XYZ(28.3506, 37.7919,
39.9827)**

Conversions

Conversions Part 1

Format	Color
Hex	68B3A2
RGB	104, 179, 162
RGB Percent	41%, 70%, 64%
CMY	0.5921, 0.2980, 0.3647
CMYK	0.42, 0.00, 0.09, 0.30
HSL	166°, 33%, 55%
HSV	166°, 42%, 70%
XYZ	28.3506, 37.7919, 39.9827
YIQ	154.6370, -39.2430, -21.1870

Conversions

Conversions Part 2

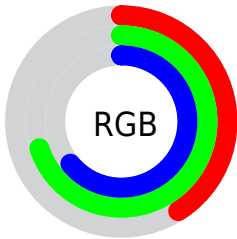
Format	Color
RYB	104, 146, 179
Decimal	6861730
CIELab	67.87, -27.42, 1.38
CIELCh	68, 27.455, 177.121
Yxy	37.7919, 0.2671, 0.3561
Android (android.graphics.Color)	4285051810 (0xFF68B3A2)
YUV	154.6370, 3.6300, -44.4086
Hunter-Lab	61.4751, -25.2623, 4.4711

Details

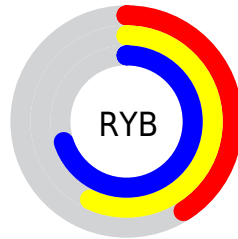
The XYZ color **28.3506, 37.7919, 39.9827** is a light color, and the websafe version is hex **66CCCC**. A complement of this color would be **26.9932, 20.8658, 20.6954**, and the grayscale version is **30.9931, 32.6072, 35.5092**.

A 20% lighter version of the original color is **56.5308, 71.7973, 76.5244**, and **11.5907, 16.7256, 17.3693** is the 20% darker color. If you saturate the color by 10%, you get **26.1346, 36.6915, 38.0269**, and if you desaturate by 10%, it is **31.0214, 39.1274, 42.0222**.

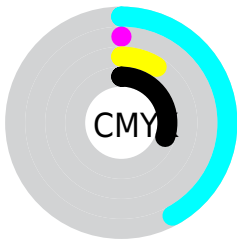
Distribution



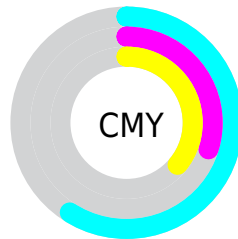
- Red (41%)
- Green (70%)
- Blue (64%)



- Red (41%)
- Yellow (57%)
- Blue (70%)



- Cyan (42%)
- Magenta (0%)
- Yellow (9%)
- Black (30%)



- Cyan (59%)
- Magenta (30%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 28.3506, 37.7919, 39.9827 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 28.3506, 37.7919, 39.9827 by changing the saturation by 10% instead.

■ 28.3506, 37.7919,
39.9827

■ 28.3506, 37.7919,
39.9827

286.1882,
336.7264, 361.6006

■ 18.7319, 25.8212,
27.2114

■ 56.4484, 71.7891,
76.3740

■ 11.5796, 16.6899,
17.4982

■ 75.6583, 94.5843,
100.8310

■ 6.5282, 10.0137,
10.4246

■ 98.7960, 121.7566,
130.0203

■ 3.2125, 5.4080,
5.5721

■ 126.2267,
153.6902, 164.3605

■ 1.2671, 2.4886,
2.5222

158.3160,
190.7696, 204.2701

■ 0.1584, 0.8709,
0.8519

195.4291,

■ 0.0000, 0.0000,

233.3792, 250.1676

0.0000

237.9314,
281.9033, 302.4716

■ 28.3506, 37.7919,
39.9827

■ 28.3506, 37.7919,
39.9827

■ 26.1346, 36.6915,
38.0269

■ 31.0214, 39.1274,
42.0222

■ 24.3420, 35.8070,
36.1504

■ 34.1696, 40.7066,
44.1445

■ 22.9422, 35.1238,
34.3519


■ 37.8201, 42.5434,
46.3522


■ 21.8994, 34.6232,
32.6291


■ 41.9951, 44.6492,
48.6469


■ 21.1706, 34.2833,
30.9795


■ 46.7154, 47.0348,
51.0300

 20.7390, 34.0888,
29.6930

 52.0008, 49.7102,
53.5031

 57.8700, 52.6852,
56.0675

 64.3408, 55.9689,
58.7246

 67.6141, 57.6029,
61.2971

Harmonies

Analogous

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



29.4760, 37.7919, 29.6912



28.3506, 37.7919, 39.9827



29.1171, 37.7919, 52.7853

Triad

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



28.3506, 37.7919, 39.9827



39.7816, 37.7919, 65.7346



40.5487, 37.7919, 24.4367

Complementary

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



28.3506, 37.7919, 39.9827



26.9932, 20.8658, 20.6954

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.



43.7078, 37.7919, 31.3622



28.3506, 37.7919, 39.9827



43.2409, 37.7919, 55.2298

Square

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



28.3506, 37.7919, 39.9827



35.5105, 37.7919, 69.2777



44.7295, 37.7919, 42.3377



36.3328, 37.7919, 21.8983

Rectangle

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



28.3506, 37.7919, 39.9827



30.6340, 37.7919, 60.8250



44.7295, 37.7919, 42.3377



41.7818, 37.7919, 26.2522

Sweetspot

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



28.3517, 37.7934, 39.9836



66.8158, 75.7295, 82.4812



26.5754, 37.3424, 18.9045



14.4741, 16.6122, 18.0798



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.



28.3517, 37.7934, 39.9836



47.1865, 65.9001, 68.4652



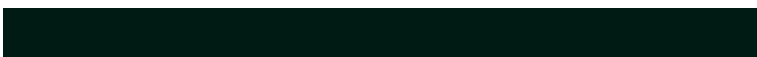
26.2449, 30.9954, 47.2490



8.6586, 9.5979, 10.4617



14.6801, 24.0980, 21.1159



0.4822, 0.7663, 0.7713

Inverse Universe

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



26.9932, 20.8658, 20.6954



44.4503, 31.6236, 29.4812



28.2980, 24.9996, 16.4313



8.5727, 8.5358, 9.2480



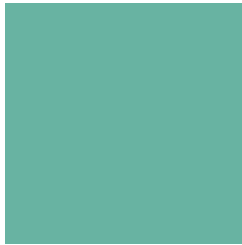
13.4356, 6.8918, 2.1877



0.4450, 0.2258, 0.1861

Previews

White Background



This preview shows how the XYZ color 28.3506, 37.7919, 39.9827 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 28.3506, 37.7919, 39.9827 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

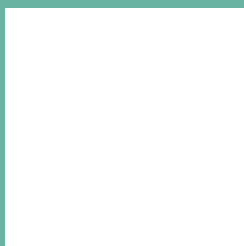
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 28.3506, 37.7919, 39.9827

Background



This preview shows how black text looks on a background with the XYZ color 28.3506, 37.7919, 39.9827.

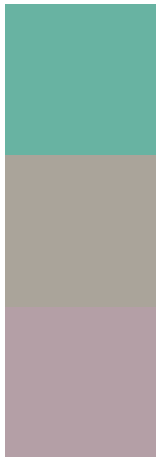


This preview shows how white text looks on a background with the XYZ color 28.3506, 37.7919,

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

28.3506, 37.7919, 39.9827

Protanopia

35.6858, 37.4301, 35.9157

Deuteranopia

38.1035, 37.2527, 41.2586



Tritanopia

31.0708, 37.7136, 53.7860

Trichromacy



Original Color

28.3506, 37.7919, 39.9827

Protanomaly

32.1278, 36.9212, 37.3315

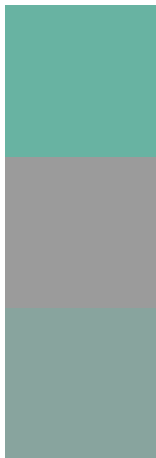
Deuteranomaly

33.3766, 36.6644, 40.9151

Tritanomaly

29.8464, 37.4935, 48.3117

Monochromacy



Original Color

28.3506, 37.7919, 39.9827

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

29.6004, 34.2538, 37.3993

CSS Examples

Text

The CSS property to change the color of the text to XYZ 28.3506, 37.7919, 39.9827 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(104, 179, 162)` looks like.

```
.text, #text, p{  
    color:rgb(104, 179, 162)  
}
```

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(104, 179, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 179, 162) }
```

Border

The CSS property to change the border of an element to XYZ 28.3506, 37.7919, 39.9827 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(104, 179, 162) }
```


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

```
.border{ border-color:rgb(104, 179, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 179, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 179, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 179, 162);  
box-shadow:4px 4px 4px 4px rgb(104, 179,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 28.3506, 37.7919, 39.9827 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 179, 162) }
```

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

```
.background{ background-color: rgb(104,  
179, 162) }
```

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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