

Converting Colors

XYZ(30.3838, 37.2500, 45.6330)

Have a look what the booklet for
XYZ(30.3838, 37.2500, 45.6330)
contains.

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Color

**XYZ(30.3838, 37.2500,
45.6330)**

Conversions

Conversions Part 1

Format	Color
Hex	77AEAE
RGB	119, 174, 174
RGB Percent	47%, 68%, 68%
CMY	0.5333, 0.3176, 0.3176
CMYK	0.32, 0.00, 0.00, 0.32
HSL	180°, 25%, 57%
HSV	180°, 32%, 68%
XYZ	30.3838, 37.2500, 45.6330
YIQ	157.5550, -32.7800, -11.6600

Conversions

Conversions Part 2

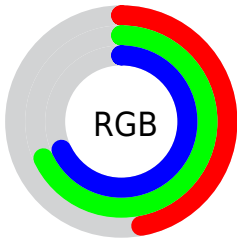
Format	Color
R _Y B	119, 147, 174
Decimal	7843502
CIE Lab	67.46, -17.88, -5.77
CIE LCh	67, 18.788, 197.875
Yxy	37.2500, 0.2682, 0.3289
Android (android.graphics.Color)	4286033582 (0xFF77AEAE)
YUV	157.5550, 8.1074, -33.8127
Hunter-Lab	61.0328, -17.9451, -1.6070

Details

The XYZ color **30.3838, 37.2500, 45.6330** is a light color, and the websafe version is hex **669999**. A complement of this color would be **27.3835, 23.5254, 20.5518**, and the grayscale version is **32.2740, 33.9548, 36.9767**.

A 20% lighter version of the original color is **59.6733, 71.1350, 84.7141**, and **12.6650, 16.2732, 20.8859** is the 20% darker color. If you saturate the color by 10%, you get **28.2112, 36.1309, 45.5318**, and if you desaturate by 10%, it is **32.9958, 38.5974, 45.7563**.

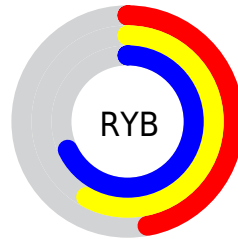
Distribution



Red (47%)

Green (68%)

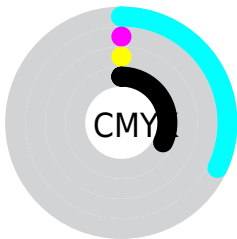
Blue (68%)



Red (47%)

Yellow (58%)

Blue (68%)

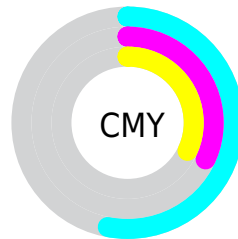


Cyan (32%)

Magenta (0%)

Yellow (0%)

Black (32%)



Cyan (53%)

Magenta (32%)

Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3838, 37.2500, 45.6330 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 30.3838, 37.2500, 45.6330 by changing the saturation by 10% instead.

■ 30.3838, 37.2500,
45.6330

■ 30.3838, 37.2500,
45.6330

295.5672,
334.3916, 385.5658

■ 20.2796, 25.4011,
31.6097

■ 59.6511, 70.9571,
84.9980

■ 12.7079, 16.3762,
20.8012

■ 79.5449, 93.5841,
111.1768

■ 7.3033, 9.7907,
12.7890

■ 103.4326,
120.5727, 142.2445

■ 3.7005, 5.2604,
7.1544

131.6795,
152.3071, 178.6197

■ 1.5341, 2.4009,
3.4789

164.6511,
189.1718, 220.7208

■ 0.3489, 0.8263,
1.3441

202.7127,

■ 0.0000, 0.0000,

231.5512, 268.9666

0.0975

246.2296,
279.8297, 323.7754

■ 0.0000, 0.0000,
0.0000

■ 30.3838, 37.2500,
45.6330

■ 30.3838, 37.2500,
45.6330

■ 28.2112, 36.1309,
45.5318

■ 32.9958, 38.5974,
45.7563

■ 26.4509, 35.2235,
45.4492

■ 36.0659, 40.1801,
45.9003

■ 25.0778, 34.5156,
45.3846

■ 39.6159, 42.0102,
46.0668

■ 24.0626, 33.9923,
45.3368

■ 43.6652, 44.0977,
46.2566

■ 23.3722, 33.6363,
45.3042

■ 48.2319, 46.4519,
46.4706

■ 22.9670, 33.4275,
45.2849

■ 53.3334, 49.0818,
46.7096

■ 22.7764, 33.3292,
45.2758

■ 58.9862, 51.9960,
46.9745

■ 64.0172, 54.5895,
47.2102

■ 64.0173, 54.5896,
47.2105

Harmonies

Analogous

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



30.2539, 37.2500, 37.3127



30.3838, 37.2500, 45.6330



31.8131, 37.2500, 53.5192

Triad

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



30.3838, 37.2500, 45.6330



39.6805, 37.2500, 52.1751



36.5830, 37.2500, 26.9253

Complementary

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



30.3838, 37.2500, 45.6330



27.3835, 23.5254, 20.5518

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.



39.2575, 37.2500, 29.8805



30.3838, 37.2500, 45.6330



41.1099, 37.2500, 43.9882

Square

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



30.3838, 37.2500, 45.6330



37.1350, 37.2500, 57.6348



40.9510, 37.2500, 35.8756



33.7296, 37.2500, 27.2404

Rectangle

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



30.3838, 37.2500, 45.6330



33.3566, 37.2500, 57.1270



40.9510, 37.2500, 35.8756



37.5356, 37.2500, 27.5507

Sweetspot

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



30.3849, 37.2515, 45.6339



66.9130, 73.6511, 83.3258



26.2012, 35.5926, 22.9428



14.6763, 16.2688, 18.5109



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



30.3849, 37.2515, 45.6339



52.2483, 66.0912, 82.6379



25.7475, 27.9764, 44.0889



8.2364, 9.0721, 10.2696



16.5192, 24.1730, 32.8376



0.4596, 0.6725, 0.9135

Inverse Universe

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



27.3835, 23.5254, 20.5518



45.9311, 37.2013, 29.8468



31.0014, 30.7615, 21.7572



8.0053, 8.0154, 8.3386



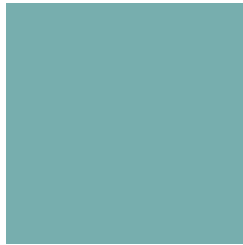
12.6607, 6.5268, 0.5927



0.3522, 0.1816, 0.0165

Previews

White Background



This preview shows how the XYZ color 30.3838, 37.2500, 45.6330 looks on a white background.

Color Contrast Check

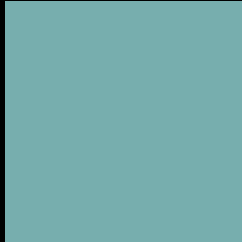
Large Text (above 18pt) WCAG AA × Fail

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 30.3838, 37.2500, 45.6330 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

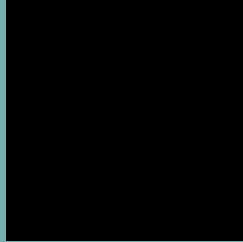
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 30.3838, 37.2500, 45.6330

Background



This preview shows how black text looks on a background with the XYZ color 30.3838, 37.2500, 45.6330.



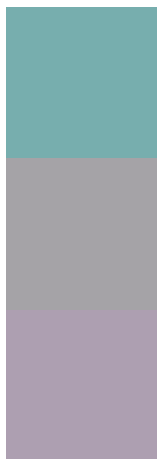
This preview shows how white text looks on a background with the XYZ color 30.3838, 37.2500,

45.6330.

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

30.3838, 37.2500, 45.6330

Protanopia

35.5893, 36.9837, 41.8220

Deuteranopia

37.5675, 36.8548, 46.7286



Tritanopia

31.6415, 37.1878, 51.9647

Trichromacy



Original Color

30.3838, 37.2500, 45.6330

Protanomaly

33.2872, 36.8356, 43.3858

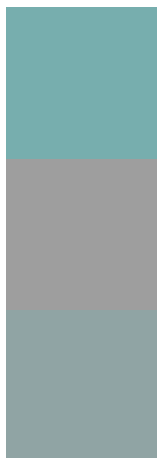
Deuteranomaly

34.2488, 36.4578, 46.3063

Tritanomaly

31.2722, 37.3295, 49.8131

Monochromacy



Original Color

30.3838, 37.2500, 45.6330

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.4779, 35.1605, 40.2496

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3838, 37.2500, 45.6330 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(119, 174, 174)` looks like.

```
.text, #text, p{  
    color:rgb(119, 174, 174)  
}
```

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(119, 174, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 174, 174) }
```

Border

The CSS property to change the border of an element to XYZ 30.3838, 37.2500, 45.6330 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(119, 174, 174) }
```


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

```
.border{ border-color:rgb(119, 174, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 174, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 174, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 174, 174);  
box-shadow:4px 4px 4px 4px rgb(119, 174,  
174) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3838, 37.2500, 45.6330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 174, 174) }
```

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

```
.background{ background-color: rgb(119,  
174, 174) }
```

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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