

Converting Colors

XYZ(30.2501, 37.8404, 42.3570)

Have a look what the booklet for
XYZ(30.2501, 37.8404, 42.3570)
contains.

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Color

**XYZ(30.2461, 37.8338,
42.2677)**

Conversions

Conversions Part 1

Format	Color
Hex	78B0A7
RGB	120, 176, 167
RGB Percent	47%, 69%, 65%
CMY	0.5294, 0.3098, 0.3451
CMYK	0.32, 0.00, 0.05, 0.31
HSL	170°, 26%, 58%
HSV	170°, 32%, 69%
XYZ	30.2461, 37.8338, 42.2677
YIQ	158.2300, -30.4870, -14.6710

Conversions

Conversions Part 2

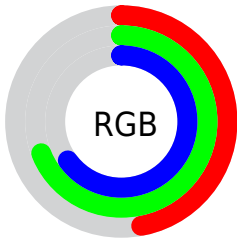
Format	Color
RYB	120, 150, 176
Decimal	7909543
CIELab	67.90, -20.27, -1.25
CIELCh	68, 20.306, 183.516
Yxy	37.8338, 0.2741, 0.3429
Android (android.graphics.Color)	4286099623 (0xFF78B0A7)
YUV	158.2300, 4.3236, -33.5277
Hunter-Lab	61.5092, -19.8667, 2.3137

Details

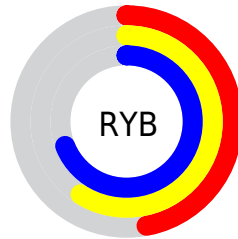
The XYZ color **30.2461, 37.8338, 42.2677** is a light color, and the websafe version is hex **669999**. A complement of this color would be **28.5847, 24.2490, 23.9443**, and the grayscale version is **32.5955, 34.2930, 37.3451**.

A 20% lighter version of the original color is **59.4970, 71.9858, 79.8661**, and **12.5614, 16.6327, 18.7680** is the 20% darker color. If you saturate the color by 10%, you get **27.7675, 36.5869, 40.8019**, and if you desaturate by 10%, it is **33.1812, 39.3173, 43.7864**.

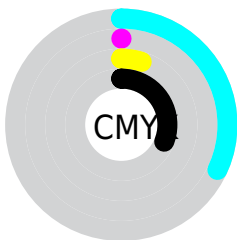
Distribution



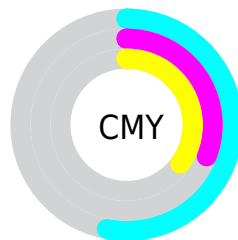
- Red (47%)
- Green (69%)
- Blue (65%)



- Red (47%)
- Yellow (59%)
- Blue (69%)



- Cyan (32%)
- Magenta (0%)
- Yellow (5%)
- Black (31%)



- Cyan (53%)
- Magenta (31%)
- Yellow (35%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.2461, 37.8338, 42.2677 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 30.2461, 37.8338, 42.2677 by changing the saturation by 10% instead.

■ 30.2461, 37.8338,
42.2677

■ 30.2461, 37.8338,
42.2677

294.9392,
336.9065, 371.4238

■ 20.1745, 25.8537,
28.9838

■ 59.4351, 71.8533,
79.8791

■ 12.6309, 16.7142,
18.8231

■ 79.2832, 94.6616,
105.0437

■ 7.2501, 10.0310,
11.3670

■ 103.1208,
121.8480, 135.0056

■ 3.6667, 5.4195,
6.1970

131.3133,
153.7970, 170.1833

■ 1.5154, 2.4954,
2.8945

164.2260,
190.8929, 210.9955

■ 0.3363, 0.8744,
1.0410

202.2243,

■ 0.0000, 0.0000,

233.5202, 257.8606

0.0000

245.6736,
282.0633, 311.1972

■ 30.2461, 37.8338,
42.2677

■ 30.2461, 37.8338,
42.2677

■ 27.7675, 36.5869,
40.8019

■ 33.1812, 39.3173,
43.7864

■ 25.7176, 35.5594,
39.3851

■ 36.5925, 41.0447,
45.3566

■ 24.0704, 34.7388,
38.0166

■ 40.5021, 43.0282,
46.9803

■ 22.7958, 34.1097,
36.6948

■ 44.9300, 45.2784,
48.6588

■ 21.8595, 33.6542,
35.4180

■ 49.8951, 47.8047,
50.3930

■ 21.2205, 33.3515,
34.1840

■ 55.4153, 50.6166,
52.1840

■ 20.8485, 33.1810,
33.2029

■ 61.5077, 53.7227,
54.0327

■ 66.0205, 56.0138,
55.8386

■ 66.3320, 56.1385,
57.4793

Harmonies

Analogous

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



30.8058, 37.8338, 33.9321



30.2461, 37.8338, 42.2677



31.1421, 37.8338, 51.5358

Triad

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



30.2461, 37.8338, 42.2677



39.4096, 37.8338, 57.4179



38.7295, 37.8338, 27.5357

Complementary

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



30.2461, 37.8338, 42.2677



28.5847, 24.2490, 23.9443

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.



41.2506, 37.8338, 32.3384



30.2461, 37.8338, 42.2677



41.6590, 37.8338, 49.4258

Square

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



30.2461, 37.8338, 42.2677



36.3327, 37.8338, 61.0505



42.3514, 37.8338, 40.1398



35.5897, 37.8338, 26.1913

Rectangle

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



30.2461, 37.8338, 42.2677



32.4769, 37.8338, 56.7771



42.3514, 37.8338, 40.1398



39.6834, 37.8338, 28.7608

Sweetspot

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



30.2472, 37.8353, 42.2686



67.4659, 74.9970, 82.7355



28.0206, 37.1016, 23.4544



14.4214, 16.1519, 17.8438



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.



30.2472, 37.8353, 42.2686



51.6907, 67.0233, 74.8268



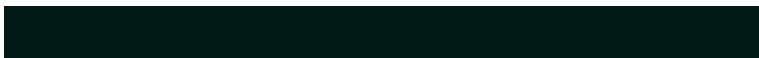
27.6968, 31.3558, 45.6686



8.6828, 9.6076, 10.5893



15.3142, 24.3517, 24.4554



0.4975, 0.7725, 0.8520

Inverse Universe

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



28.5847, 24.2490, 23.9443



48.2161, 38.5836, 36.4960



30.4804, 28.9562, 21.7525



8.5502, 8.5268, 9.1300



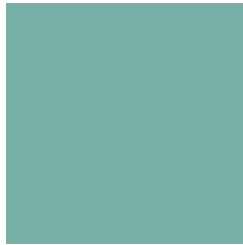
13.3080, 6.8408, 1.5159



0.4358, 0.2221, 0.1376

Previews

White Background



This preview shows how the XYZ color 30.2461, 37.8338, 42.2677 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 30.2461, 37.8338, 42.2677 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

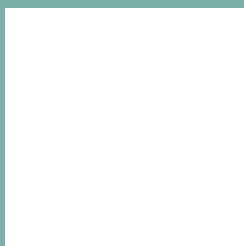
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.2461, 37.8338, 42.2677

Background



This preview shows how black text looks on a background with the XYZ color 30.2461, 37.8338, 42.2677.

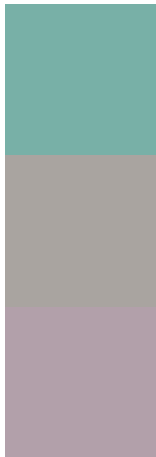


This preview shows how white text looks on a background with the XYZ color 30.2461, 37.8338,

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

30.2461, 37.8338, 42.2677

Protanopia

35.9828, 37.5240, 38.6041

Deuteranopia

38.1866, 37.5089, 43.2575



Tritanopia

32.3707, 37.8350, 52.6105

Trichromacy



Original Color

30.2461, 37.8338, 42.2677

Protanomaly

33.3760, 37.2289, 40.0771

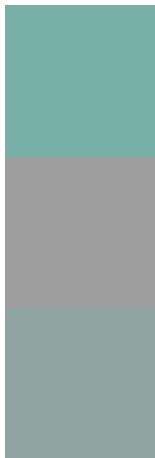
Deuteranomaly

34.7023, 37.3051, 42.9077

Tritanomaly

31.5426, 37.7783, 48.8095

Monochromacy



Original Color

30.2461, 37.8338, 42.2677

Achromatopsia

32.4990, 34.1914, 37.2345

Achromatomaly

31.3898, 35.4128, 38.8991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.2461, 37.8338, 42.2677 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, 176, 167)` looks like.

```
.text, #text, p{  
    color:rgb(120, 176, 167)  
}
```

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, 176, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 176, 167) }
```

Border

The CSS property to change the border of an element to XYZ 30.2461, 37.8338, 42.2677 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, 176, 167) }
```


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

```
.border{ border-color:rgb(120, 176, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 176, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 176, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 176, 167);  
box-shadow:4px 4px 4px 4px rgb(120, 176,  
167) }
```

Background

The CSS property to change the background color of an element to XYZ 30.2461, 37.8338, 42.2677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 176, 167) }
```

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

```
.background{ background-color: rgb(120,  
176, 167) }
```

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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