

Converting Colors

XYZ(31.2625, 41.8164, 37.2665)

Have a look what the booklet for
XYZ(31.2625, 41.8164, 37.2665)
contains.

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Color

**XYZ(31.2945, 41.8291,
37.4348)**

Conversions

Conversions Part 1

Format	Color
Hex	77BB9B
RGB	119, 187, 155
RGB Percent	47%, 73%, 61%
CMY	0.5333, 0.2667, 0.3922
CMYK	0.36, 0.00, 0.17, 0.27
HSL	152°, 33%, 60%
HSV	152°, 36%, 73%
XYZ	31.2945, 41.8291, 37.4348
YIQ	163.0200, -30.2560, -24.3680

Conversions

Conversions Part 2

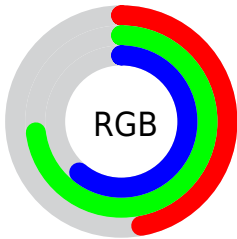
Format	Color
R _Y B	119, 163, 187
Decimal	7846811
CIE Lab	70.75, -28.67, 9.46
CIE LCh	71, 30.196, 161.734
Yxy	41.8291, 0.2831, 0.3783
Android (android.graphics.Color)	4286036891 (0xFF77BB9B)
YUV	163.0200, -3.9539, -38.6055
Hunter-Lab	64.6754, -26.8112, 10.9551

Details

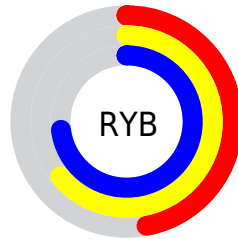
The XYZ color **31.2945, 41.8291, 37.4348** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.6777, 25.9939, 32.5750**, and the grayscale version is **34.8514, 36.6664, 39.9297**.

A 20% lighter version of the original color is **60.7928, 77.5889, 72.0936**, and **13.2010, 18.9678, 16.0621** is the 20% darker color. If you saturate the color by 10%, you get **28.2640, 40.3503, 33.5749**, and if you desaturate by 10%, it is **34.8861, 43.5932, 41.6040**.

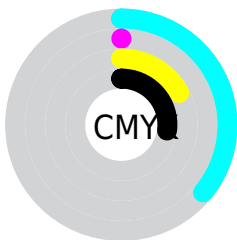
Distribution



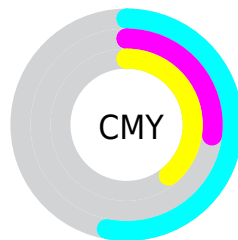
- Red (47%)
- Green (73%)
- Blue (61%)



- Red (47%)
- Yellow (64%)
- Blue (73%)



- Cyan (36%)
- Magenta (0%)
- Yellow (17%)
- Black (27%)





- Cyan (53%)
- Magenta (27%)
- Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 31.2945, 41.8291, 37.4348 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 31.2945, 41.8291, 37.4348 by changing the saturation by 10% instead.


 31.2945, 41.8291,
37.4348


 31.2945, 41.8291,
37.4348


299.6955,
353.7740, 350.4144


 20.9761, 28.9675,
25.2459


 61.0761, 77.9409,
72.4348

 13.2189, 19.0562,
16.0397


 81.2701, 101.9599,
96.0830

 7.6575, 11.7109,
9.3976


 105.4866,
130.4668, 124.3879

 3.9265, 6.5472,
4.9011

134.0911,
163.8460, 157.7683

 1.6607, 3.1805,
2.1316

167.4489,
202.4820, 196.6426

 0.4315, 1.2267,
0.6345

205.9253,

 0.0000, 0.0834,

246.7590, 241.4294

0.0000

249.8857,
297.0616, 292.5471

■ 0.0000, 0.0000,
0.0000

■ 31.2945, 41.8291,
37.4348

■ 31.2945, 41.8291,
37.4348

■ 28.2640, 40.3503,
33.5749

■ 34.8861, 43.5932,
41.6040

■ 25.7603, 39.1358,
30.0141

■ 39.0639, 45.6521,
46.0867

■ 23.7506, 38.1700,
26.7455


■ 43.8554, 48.0208,
50.8908


■ 22.1964, 37.4332,
23.7610


■ 49.2854, 50.7121,
56.0228


■ 21.0536, 36.9029,
21.0520


■ 55.3773, 53.7379,
61.4891


 20.2643, 36.5492,
18.6087

 62.1532, 57.1095,
67.2960

 20.0231, 36.4429,
17.7828

 69.6343, 60.8377,
73.4495

 72.6571, 62.2605,
79.7128

 73.8920, 62.7545,
86.2157

Harmonies

Analogous

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



33.6843, 41.8291, 27.9058



31.2945, 41.8291, 37.4348



31.0530, 41.8291, 51.3881

Triad

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



31.2945, 41.8291, 37.4348



41.7485, 41.8291, 78.2425



47.3866, 41.8291, 29.5398

Complementary

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



31.2945, 41.8291, 37.4348



32.6777, 25.9939, 32.5750

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.



49.9528, 41.8291, 40.1621



31.2945, 41.8291, 37.4348



46.5196, 41.8291, 69.3859

Square

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



31.2945, 41.8291, 37.4348



36.8143, 41.8291, 77.0815



49.6229, 41.8291, 54.7488



42.8531, 41.8291, 24.0514

Rectangle

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



31.2945, 41.8291, 37.4348



32.1154, 41.8291, 61.6486



49.6229, 41.8291, 54.7488



48.5244, 41.8291, 32.5222

Sweetspot

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



31.2956, 41.8308, 37.4357



74.2703, 83.8885, 86.9268



34.0254, 43.5369, 24.0636



16.1002, 18.3474, 18.8859



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



31.2956, 41.8308, 37.4357



51.4490, 72.6687, 61.2351



34.1096, 42.5732, 53.4353



9.6141, 10.7318, 11.2175



13.8323, 25.1232, 12.4456



0.5746, 0.9972, 0.6603

Inverse Universe

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



32.6777, 25.9939, 32.5750



54.3042, 39.9718, 51.2084



30.5571, 25.3628, 20.7385



9.7120, 9.6091, 10.8724



15.3699, 7.7791, 7.2414



0.6351, 0.3179, 0.4578

Previews

White Background



This preview shows how the XYZ color 31.2945, 41.8291, 37.4348 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 31.2945, 41.8291, 37.4348 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

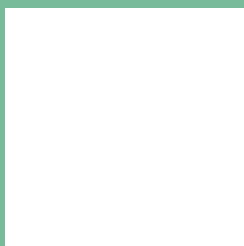
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.2945, 41.8291, 37.4348

Background



This preview shows how black text looks on a background with the XYZ color 31.2945, 41.8291, 37.4348.

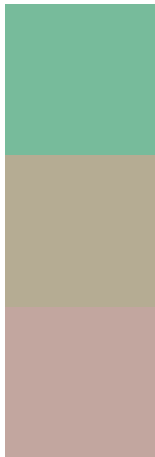


This preview shows how white text looks on a background with the XYZ color 31.2945, 41.8291,

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

31.2945, 41.8291, 37.4348

Protanopia

39.0750, 41.4354, 33.5421

Deuteranopia

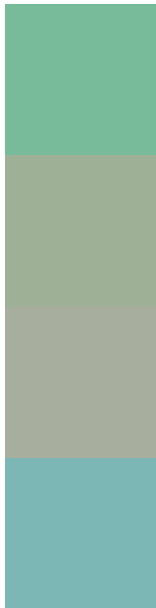
42.1424, 41.2450, 38.5408



Tritanopia

35.3898, 41.6225, 58.3933

Trichromacy



Original Color

31.2945, 41.8291, 37.4348

Protanomaly

35.3277, 40.9154, 34.8897

Deuteranomaly

37.2440, 40.9562, 38.2901

Tritanomaly

33.7314, 41.5631, 49.9607

Monochromacy



Original Color

31.2945, 41.8291, 37.4348

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

33.1303, 38.2462, 38.8938

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.2945, 41.8291, 37.4348 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, 187, 155)` looks like.

```
.text, #text, p{  
    color:rgb(119, 187, 155)  
}
```

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, 187, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 187, 155) }
```

Border

The CSS property to change the border of an element to XYZ 31.2945, 41.8291, 37.4348 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, 187, 155) }
```


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

```
.border{ border-color:rgb(119, 187, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 187, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 187, 155); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 187, 155); box-shadow:4px 4px 4px 4px rgb(119, 187, 155) }
```

Background

The CSS property to change the background color of an element to XYZ 31.2945, 41.8291, 37.4348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 187, 155) }
```

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

```
.background{ background-color: rgb(119,  
187, 155) }
```

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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