

Converting Colors

XYZ(37.2829, 42.7005, 47.9696)

Have a look what the booklet for
XYZ(37.2829, 42.7005, 47.9696)
contains.

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Color

**XYZ(37.4086, 42.8975,
47.9034)**

Conversions

Conversions Part 1

Format	Color
Hex	98B5B1
RGB	152, 181, 177
RGB Percent	60%, 71%, 69%
CMY	0.4039, 0.2902, 0.3059
CMYK	0.16, 0.00, 0.02, 0.29
HSL	172°, 16%, 65%
HSV	172°, 16%, 71%
XYZ	37.4086, 42.8975, 47.9034
YIQ	171.8730, -16.0000, -7.3920

Conversions

Conversions Part 2

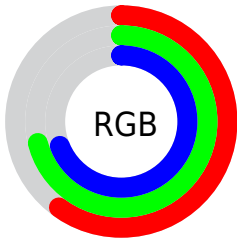
Format	Color
R _Y B	152, 168, 181
Decimal	10007985
CIE Lab	71.49, -10.67, -1.28
CIE LCh	71, 10.746, 186.819
Yxy	42.8975, 0.2918, 0.3346
Android (android.graphics.Color)	4288198065 (0xFF98B5B1)
YUV	171.8730, 2.5276, -17.4286
Hunter-Lab	65.4962, -12.6668, 2.4831

Details

The XYZ color **37.4086, 42.8975, 47.9034** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **36.2866, 34.6817, 36.2361**, and the grayscale version is **39.1429, 41.1814, 44.8465**.

A 20% lighter version of the original color is **70.7243, 79.7170, 88.7501**, and **16.7241, 19.6603, 21.9821** is the 20% darker color. If you saturate the color by 10%, you get **34.0296, 41.1852, 46.4581**, and if you desaturate by 10%, it is **41.3116, 44.8817, 49.3988**.

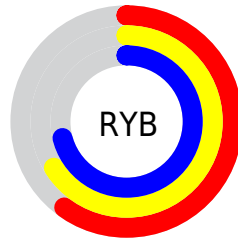
Distribution



Red (60%)

Green (71%)

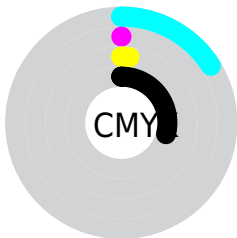
Blue (69%)



Red (60%)

Yellow (66%)

Blue (71%)

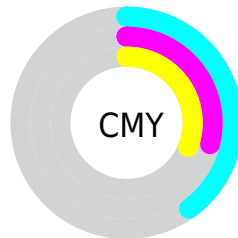


Cyan (16%)

Magenta (0%)

Yellow (2%)

Black (29%)



Cyan (40%)


Magenta (29%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4086, 42.8975, 47.9034 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 37.4086, 42.8975, 47.9034 by changing the saturation by 10% instead.


 37.4086, 42.8975,
47.9034


 37.4086, 42.8975,
47.9034


326.4011,
358.1901, 394.9068

 25.6991, 29.8047,
33.3909


 70.5105, 79.5562,
88.4246

 16.7302, 19.6904,
22.1525


 92.6337, 103.8908,
115.2704

 10.1364, 12.1702,
13.7696

118.9588,
132.7415, 147.0645

 5.5525, 6.8597,
7.8237

149.8512,
166.4927, 184.2253

 2.6130, 3.3745,
3.8962

185.6763,
205.5288, 227.1714

 0.9526, 1.3302,
1.5686

226.7994,

 0.0000, 0.1644,

250.2341, 276.3213

0.2682

273.5859,
300.9931, 332.0936

■ 0.0000, 0.0000,
0.0000

■ 37.4086, 42.8975,
47.9034

■ 37.4086, 42.8975,
47.9034

■ 34.0296, 41.1852,
46.4581

■ 41.3116, 44.8817,
49.3988

■ 31.1476, 39.7275,
45.0589

■ 45.7569, 47.1437,
50.9426

■ 28.7386, 38.5130,
43.7054

■ 50.7662, 49.6961,
52.5368

■ 26.7752, 37.5278,
42.3961

■ 56.3592, 52.5487,
54.1825

■ 25.2272, 36.7562,
41.1296

■ 62.5545, 55.7113,
55.8807

■ 24.0605, 36.1807,
39.9040

■ 67.2779, 58.1146,
57.5344

■ 23.2358, 35.7810,
38.7176

■ 67.5571, 58.2263,
59.0046

■ 22.7021, 35.5307,
37.5676

■ 67.8411, 58.3399,
60.4997

■ 22.5274, 35.4504,
37.1183

■ 68.1297, 58.4554,
62.0198

Harmonies

Analogous

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



37.6516, 42.8975, 42.8874



37.4086, 42.8975, 47.9034



38.0454, 42.8975, 52.9499

Triad

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



37.4086, 42.8975, 47.9034



42.8977, 42.8975, 55.1645



42.1604, 42.8975, 38.1188

Complementary

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



37.4086, 42.8975, 47.9034



36.2866, 34.6817, 36.2361

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.



43.6275, 42.8975, 40.9771



37.4086, 42.8975, 47.9034



44.0619, 42.8975, 50.7492

Square

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



37.4086, 42.8975, 47.9034



41.1880, 42.8975, 57.3385



44.3329, 42.8975, 45.5328



40.3603, 42.8975, 37.4802

Rectangle

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



37.4086, 42.8975, 47.9034



38.8946, 42.8975, 55.5716



44.3329, 42.8975, 45.5328



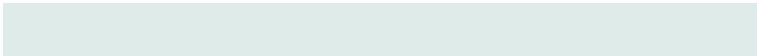
42.7105, 42.8975, 38.8410

Sweetspot

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



37.4098, 42.8993, 47.9044



74.6906, 80.7373, 88.7239



35.9708, 42.4195, 35.9984



16.0309, 17.3931, 19.1357



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.



37.4098, 42.8993, 47.9044



64.9016, 75.7647, 84.9289



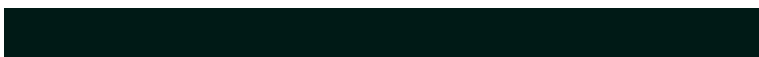
35.8253, 39.0823, 49.3736



8.6912, 9.6110, 10.6335



15.5482, 24.4453, 25.6874



0.5030, 0.7747, 0.8811

Inverse Universe

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



36.2866, 34.6817, 36.2361



62.5321, 58.4259, 60.3121



37.6718, 37.9857, 35.0529



8.5425, 8.5237, 9.0895



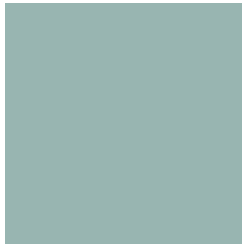
13.2733, 6.8269, 1.3332



0.4326, 0.2208, 0.1209

Previews

White Background



This preview shows how the XYZ color 37.4086, 42.8975, 47.9034 looks on a white background.

Color Contrast Check

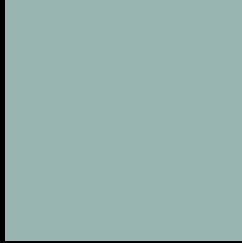
Large Text (above 18pt) WCAG AA × Fail

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 37.4086, 42.8975, 47.9034 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

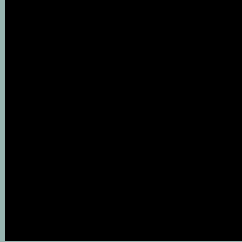
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

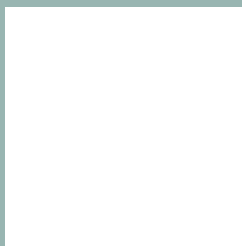
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4086, 42.8975, 47.9034

Background



This preview shows how black text looks on a background with the XYZ color 37.4086, 42.8975, 47.9034.

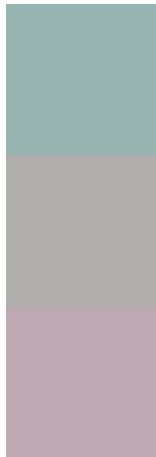


This preview shows how white text looks on a background with the XYZ color 37.4086, 42.8975,

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

37.4086, 42.8975, 47.9034

Protanopia

41.0390, 42.7542, 45.6246

Deuteranopia

43.3109, 42.4494, 48.5587



Tritanopia

39.2633, 43.0590, 56.6939

Trichromacy



Original Color

37.4086, 42.8975, 47.9034

Protanomaly

39.7243, 42.9353, 46.2380

Deuteranomaly

40.8839, 42.3316, 48.1355

Tritanomaly

38.6173, 43.1004, 53.2976

Monochromacy



Original Color

37.4086, 42.8975, 47.9034

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

38.4870, 41.7153, 46.0678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4086, 42.8975, 47.9034 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(152, 181, 177)` looks like.

```
.text, #text, p{  
    color:rgb(152, 181, 177)  
}
```

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(152, 181, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 181, 177) }
```

Border

The CSS property to change the border of an element to XYZ 37.4086, 42.8975, 47.9034 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(152, 181, 177) }
```


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

```
.border{ border-color:rgb(152, 181, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 181, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 181, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 181, 177); box-shadow:4px 4px 4px 4px rgb(152, 181, 177) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4086, 42.8975, 47.9034 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 181, 177) }
```

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

```
.background{ background-color: rgb(152,  
181, 177) }
```

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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