

Converting Colors

XYZ(41.6813, 48.9894, 51.8972)

Have a look what the booklet for
XYZ(41.6813, 48.9894, 51.8972)
contains.

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Color

**XYZ(41.7437, 49.1706,
52.0905)**

Conversions

Conversions Part 1

Format	Color
Hex	9DC2B7
RGB	157, 194, 183
RGB Percent	62%, 76%, 72%
CMY	0.3843, 0.2392, 0.2823
CMYK	0.19, 0.00, 0.06, 0.24
HSL	162°, 23%, 69%
HSV	162°, 19%, 76%
XYZ	41.7437, 49.1706, 52.0905
YIQ	181.6830, -18.5210, -11.2650

Conversions

Conversions Part 2

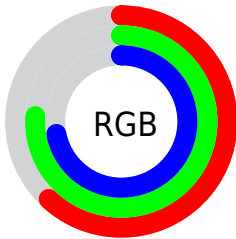
Format	Color
RYB	157, 179, 194
Decimal	10338999
CIELab	75.56, -14.58, 1.44
CIELCh	76, 14.652, 174.375
Yxy	49.1706, 0.2919, 0.3438
Android (android.graphics.Color)	4288529079 (0xFF9DC2B7)
YUV	181.6830, 0.6493, -21.6470
Hunter-Lab	70.1218, -16.4515, 5.0412

Details

The XYZ color **41.7437, 49.1706, 52.0905** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **41.3748, 38.4118, 42.2815**, and the grayscale version is **44.2960, 46.6028, 50.7505**.

A 20% lighter version of the original color is **77.2285, 89.2234, 94.8128**, and **19.2330, 23.3711, 24.6165** is the 20% darker color. If you saturate the color by 10%, you get **37.6671, 47.1384, 48.8300**, and if you desaturate by 10%, it is **46.4487, 51.5266, 55.5109**.

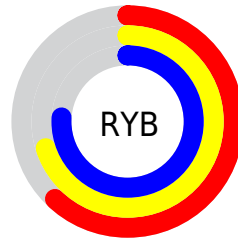
Distribution



Red (62%)

Green (76%)

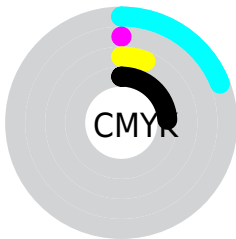
Blue (72%)



Red (62%)

Yellow (70%)

Blue (76%)

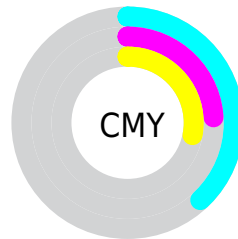


Cyan (19%)

Magenta (0%)

Yellow (6%)

Black (24%)



Cyan (38%)

Magenta (24%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.7437, 49.1706, 52.0905 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 41.7437, 49.1706, 52.0905 by changing the saturation by 10% instead.

■ 41.7437, 49.1706,
52.0905

■ 41.7437, 49.1706,
52.0905

344.4291,
383.4135, 411.7528

■ 29.0909, 34.7548,
36.6945

■ 77.0792, 88.9448,
94.6926

■ 19.2942, 23.4741,
24.6771

■ 100.4926,
115.0720, 122.7358

■ 11.9883, 14.9440,
15.6198

128.2235,
145.8718, 155.8318

■ 6.8079, 8.7801,
9.1041

160.6374,
181.7286, 194.3992

■ 3.3875, 4.5980,
4.7114

198.0995,
223.0267, 238.8564

■ 1.3618, 2.0134,
2.0232

240.9753,

■ 0.2288, 0.6152,

270.1507, 289.6220

0.5695

289.6300,
323.4848, 347.1147

■ 0.0000, 0.0000,
0.0000

■ 41.7437, 49.1706,
52.0905

■ 41.7437, 49.1706,
52.0905

■ 37.6671, 47.1384,
48.8300

■ 46.4487, 51.5266,
55.5109

■ 34.1863, 45.4090,
45.7234

■ 51.8046, 54.2140,
59.0908

■ 31.2715, 43.9688,
42.7686

■ 57.8381, 57.2478,
62.8338

■ 28.8893, 42.8004,
39.9627

■ 64.5728, 60.6401,
66.7425

■ 27.0021, 41.8844,
37.3021

■ 72.0313, 64.4026,
70.8195

■ 25.5674, 41.1991,
34.7834

■ 73.1371, 64.8872,
74.7348

■ 24.5354, 40.7187,
32.4024

■ 73.9036, 65.1938,
78.7713

■ 23.8199, 40.3989,
30.1534

■ 74.6967, 65.5110,
82.9475

■ 23.7592, 40.3720,
29.9511

■ 75.5165, 65.8389,
87.2648

Harmonies

Analogous

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



42.6302, 49.1706, 45.3157



41.7437, 49.1706, 52.0905



42.1521, 49.1706, 59.9301

Triad

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



41.7437, 49.1706, 52.0905



48.9167, 49.1706, 68.2984



49.8333, 49.1706, 42.3114

Complementary

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



41.7437, 49.1706, 52.0905



41.3748, 38.4118, 42.2815

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.



51.6389, 49.1706, 47.6182



41.7437, 49.1706, 52.0905



51.0955, 49.1706, 62.7001

Square

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



41.7437, 49.1706, 52.0905



46.2268, 49.1706, 69.7878



52.1095, 49.1706, 55.0129



47.2472, 49.1706, 40.0301

Rectangle

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



41.7437, 49.1706, 52.0905



43.1122, 49.1706, 64.6562



52.1095, 49.1706, 55.0129



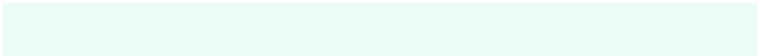
50.5556, 49.1706, 43.7743

Sweetspot

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



41.7451, 49.1726, 52.0916



86.9131, 94.7345, 102.4678



41.5490, 49.3559, 39.2359



18.8955, 20.6769, 22.3457



0.0000, 0.0000, 0.0000



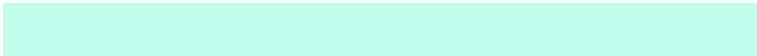
20.3446, 21.4041, 23.3091

Same Dimension

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



41.7451, 49.1726, 52.0916



72.3215, 87.4332, 91.8018



41.3294, 46.4362, 57.8261



10.2368, 11.3758, 12.2503



15.6577, 26.5571, 19.8883



0.7056, 1.1591, 1.0126

Inverse Universe

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



41.3748, 38.4118, 42.2815



71.5257, 64.2713, 70.6931



41.6827, 40.5994, 37.5387



10.1937, 10.1261, 11.1105



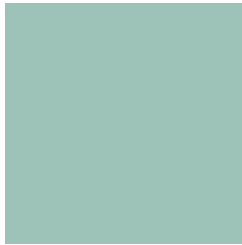
15.1563, 7.7523, 3.4689



0.6860, 0.3474, 0.3140

Previews

White Background



This preview shows how the XYZ color 41.7437, 49.1706, 52.0905 looks on a white background.

Color Contrast Check

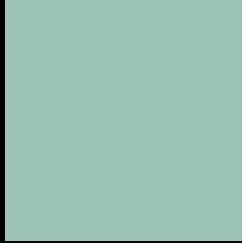
Large Text (above 18pt) WCAG AA × Fail

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 41.7437, 49.1706, 52.0905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

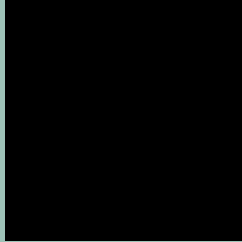
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.7437, 49.1706, 52.0905

Background



This preview shows how black text looks on a background with the XYZ color 41.7437, 49.1706, 52.0905.

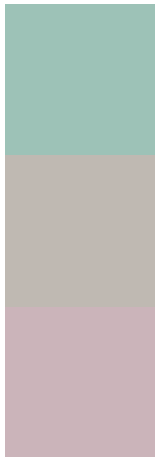


This preview shows how white text looks on a background with the XYZ color 41.7437, 49.1706,

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

41.7437, 49.1706, 52.0905

Protanopia

46.8707, 48.9886, 49.1049

Deuteranopia

49.8128, 48.8842, 53.2646



Tritanopia

44.4693, 49.2949, 65.5636

Trichromacy



Original Color

41.7437, 49.1706, 52.0905

Protanomaly

44.8118, 48.8454, 50.2463

Deuteranomaly

46.3556, 48.6398, 52.8442

Tritanomaly

43.5399, 49.2501, 60.6375

Monochromacy



Original Color

41.7437, 49.1706, 52.0905

Achromatopsia

44.4628, 46.7784, 50.9417

Achromatomaly

43.2360, 47.3794, 51.1223

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.7437, 49.1706, 52.0905 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(157, 194, 183)` looks like.

```
.text, #text, p{  
    color:rgb(157, 194, 183)  
}
```

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(157, 194, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 194, 183) }
```

Border

The CSS property to change the border of an element to XYZ 41.7437, 49.1706, 52.0905 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(157, 194, 183) }
```


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

```
.border{ border-color:rgb(157, 194, 183) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 194, 183)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 194, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 194, 183);  
box-shadow:4px 4px 4px 4px rgb(157, 194,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 41.7437, 49.1706, 52.0905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 194, 183) }
```

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

```
.background{ background-color: rgb(157,  
194, 183) }
```

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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