

Converting Colors

XYZ(42.6403, 50.7166, 42.5629)

Have a look what the booklet for
XYZ(42.6403, 50.7166, 42.5629)
contains.

XYZ(42.8155, 50.9377, 42.6973)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(42.8155, 50.9377,
42.6973)**

Conversions

Conversions Part 1

Format	Color
Hex	A8C5A4
RGB	168, 197, 164
RGB Percent	66%, 77%, 64%
CMY	0.3412, 0.2274, 0.3569
CMYK	0.15, 0.00, 0.17, 0.23
HSL	113°, 22%, 71%
HSV	113°, 17%, 77%
XYZ	42.8155, 50.9377, 42.6973
YIQ	184.5670, -6.6910, -16.4110

Conversions

Conversions Part 2

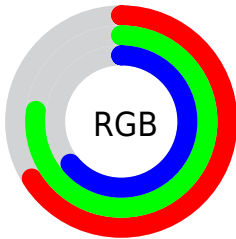
Format	Color
RYB	164, 197, 193
Decimal	11060644
CIELab	76.64, -16.03, 13.34
CIELCh	77, 20.852, 140.238
Yxy	50.9377, 0.3138, 0.3733
Android (android.graphics.Color)	4289250724 (0xFFA8C5A4)
YUV	184.5670, -10.1395, -14.5293
Hunter-Lab	71.3707, -17.8159, 14.4894

Details

The XYZ color **42.8155, 50.9377, 42.6973** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.3480, 41.9211, 58.5275**, and the grayscale version is **45.9319, 48.3240, 52.6248**.

A 20% lighter version of the original color is **78.6594, 91.6861, 80.5692**, and **19.9495, 24.5278, 19.0121** is the 20% darker color. If you saturate the color by 10%, you get **37.7289, 48.5069, 33.8806**, and if you desaturate by 10%, it is **48.6712, 53.7362, 52.9907**.

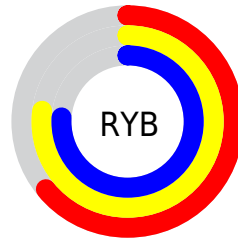
Distribution



Red (66%)

Green (77%)

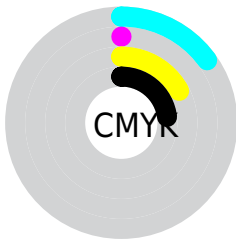
Blue (64%)



Red (64%)

Yellow (77%)

Blue (76%)

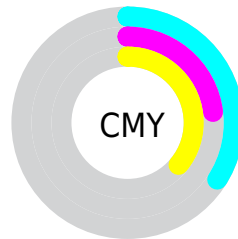


Cyan (15%)

Magenta (0%)

Yellow (17%)

Black (23%)



Cyan (34%)

Magenta (23%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.8155, 50.9377, 42.6973 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 42.8155, 50.9377, 42.6973 by changing the saturation by 10% instead.

■ 42.8155, 50.9377,
42.6973

■ 42.8155, 50.9377,
42.6973

348.7869,
390.3217, 373.2500

■ 29.9343, 36.1590,
29.3180

■ 78.6898, 91.5627,
80.5353

■ 19.9365, 24.5570,
19.0739

■ 102.4136,
118.1778, 105.8312

■ 12.4569, 15.7473,
11.5463

130.4823,
149.5071, 135.9363

■ 7.1301, 9.3455,
6.3168

163.2613,
185.9351, 171.2692

■ 3.5906, 4.9672,
2.9668

201.1159,
227.8462, 212.2485

■ 1.4733, 2.2281,
1.0777

244.4114,

■ 0.3075, 0.7352,

275.6247, 259.2927

0.0000

293.5133,
329.6551, 312.8204

■ 0.0000, 0.0000,
0.0000

■ 42.8155, 50.9377,
42.6973

■ 42.8155, 50.9377,
42.6973

■ 37.7289, 48.5069,
33.8806

■ 48.6712, 53.7362,
52.9907

■ 33.3755, 46.4221,
26.4699

■ 55.3220, 56.9098,
64.8207

■ 29.7225, 44.6696,
20.3933

■ 62.7977, 60.4742,
78.2478

■ 26.7330, 43.2321,
15.5717

■ 71.1252, 64.4420,
93.3283

■ 24.3666, 42.0906,
11.9173

■ 79.0982, 68.3326,
103.6283

■ 22.5787, 41.2243,
9.3311

■ 79.2573, 68.4146,
103.6358

■ 21.3183, 40.6094,
7.6979

■ 20.5231, 40.2171,
6.8647

■ 20.3409, 40.1272,
6.6732

Harmonies

Analogous

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



45.8383, 50.9377, 37.4767



42.8155, 50.9377, 42.6973



41.3183, 50.9377, 51.8603

Triad

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



42.8155, 50.9377, 42.6973



47.1401, 50.9377, 79.7413



55.8853, 50.9377, 48.2830

Complementary

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



42.8155, 50.9377, 42.6973



45.3480, 41.9211, 58.5275

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.



56.2806, 50.9377, 59.2277



42.8155, 50.9377, 42.6973



51.0860, 50.9377, 78.4409

Square

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



42.8155, 50.9377, 42.6973



43.7240, 50.9377, 73.8912



54.4821, 50.9377, 70.5477



53.4296, 50.9377, 40.3849

Rectangle

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



42.8155, 50.9377, 42.6973



41.3281, 50.9377, 59.4133



54.4821, 50.9377, 70.5477



56.2685, 50.9377, 51.6909

Sweetspot

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



42.8169, 50.9399, 42.6984



89.0617, 97.1423, 98.2577



48.7107, 52.5165, 42.6921



18.8891, 20.7095, 20.7234



0.0000, 0.0000, 0.0000



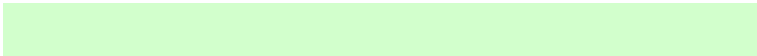
20.3446, 21.4041, 23.3091

Same Dimension

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



42.8169, 50.9399, 42.6984



73.2887, 89.6077, 70.5600



43.1241, 50.9659, 48.6921



10.6149, 11.9484, 11.3096



13.4167, 26.4118, 4.3909



0.6760, 1.2716, 0.2098

Inverse Universe

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



45.3480, 41.9211, 58.5275



78.6457, 70.5124, 104.0729



45.0497, 41.9211, 51.5628



10.9517, 10.7489, 13.4150



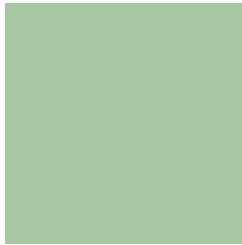
18.0301, 8.5291, 35.4404



0.8903, 0.4227, 1.6798

Previews

White Background



This preview shows how the XYZ color 42.8155, 50.9377, 42.6973 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 42.8155, 50.9377, 42.6973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

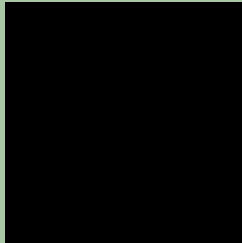
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.8155, 50.9377, 42.6973

Background



This preview shows how black text looks on a background with the XYZ color 42.8155, 50.9377, 42.6973.



This preview shows how white text looks on a background with the XYZ color 42.8155, 50.9377,

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

42.8155, 50.9377, 42.6973

Protanopia

47.8816, 50.6466, 40.5099

Deuteranopia

51.7273, 50.6930, 43.6176



Tritanopia

47.4506, 50.8318, 65.7031

Trichromacy



Original Color

42.8155, 50.9377, 42.6973

Protanomaly

45.8029, 50.5262, 41.0567

Deuteranomaly

47.9420, 50.2996, 43.2584

Tritanomaly

45.4872, 50.6722, 56.6735

Monochromacy



Original Color

42.8155, 50.9377, 42.6973

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

44.7238, 49.1532, 48.7253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.8155, 50.9377, 42.6973 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(168, 197, 164)` looks like.

```
.text, #text, p{  
    color:rgb(168, 197, 164)  
}
```

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(168, 197, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 197, 164) }
```

Border

The CSS property to change the border of an element to XYZ 42.8155, 50.9377, 42.6973 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(168, 197, 164) }
```


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

```
.border{ border-color:rgb(168, 197, 164) }
```

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

Here you see how a box with a 4 pixel rgb(168, 197, 164) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 197, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 197, 164);  
box-shadow:4px 4px 4px 4px rgb(168, 197,  
164) }
```

Background

The CSS property to change the background color of an element to XYZ 42.8155, 50.9377, 42.6973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 197, 164) }
```

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

```
.background{ background-color: rgb(168,  
197, 164) }
```

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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