

Converting Colors

XYZ(42.4617, 57.9111, 47.5085)

Have a look what the booklet for
XYZ(42.4617, 57.9111, 47.5085)
contains.

XYZ(42.4801, 57.8843, 47.4619)	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(42.4801, 57.8843,
47.4619)**

Conversions

Conversions Part 1

Format	Color
Hex	89D9AB
RGB	137, 217, 171
RGB Percent	54%, 85%, 67%
CMY	0.4627, 0.1490, 0.3294
CMYK	0.37, 0.00, 0.21, 0.15
HSL	145°, 51%, 69%
HSV	145°, 37%, 85%
XYZ	42.4801, 57.8843, 47.4619
YIQ	187.8360, -32.9140, -31.2660

Conversions

Conversions Part 2

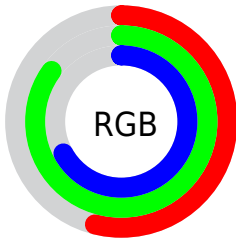
Format	Color
RYB	137, 193, 217
Decimal	9034155
CIELab	80.67, -34.42, 15.04
CIELCh	81, 37.558, 156.400
Yxy	57.8843, 0.2874, 0.3916
Android (android.graphics.Color)	4287224235 (0xFF89D9AB)
YUV	187.8360, -8.3001, -44.5832
Hunter-Lab	76.0817, -33.4779, 16.2705

Details

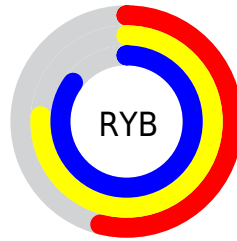
The XYZ color **42.4801, 57.8843, 47.4619** is a light color, and the websafe version is hex **66CC99**. A complement of this color would be **46.1102, 36.0634, 49.3329**, and the grayscale version is **47.7672, 50.2548, 54.7274**.

A 20% lighter version of the original color is **71.4798, 88.3484, 85.2371**, and **19.8174, 29.0116, 22.0081** is the 20% darker color. If you saturate the color by 10%, you get **38.1406, 55.7798, 41.3410**, and if you desaturate by 10%, it is **47.6504, 60.4073, 54.2104**.

Distribution



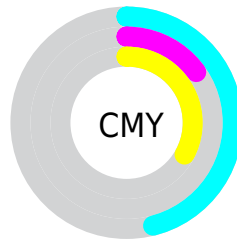
- Red (54%)
- Green (85%)
- Blue (67%)



- Red (54%)
- Yellow (76%)
- Blue (85%)



- Cyan (37%)
- Magenta (0%)
- Yellow (21%)
- Black (15%)





- Cyan (46%)
- Magenta (15%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4801, 57.8843, 47.4619 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 42.4801, 57.8843, 47.4619 by changing the saturation by 10% instead.


 42.4801, 57.8843,
47.4619


 42.4801, 57.8843,
47.4619


347.4272,
416.7547, 393.1023

 29.6702, 41.7156,
33.0440


 78.1863, 101.7544,
87.7599

 19.7352, 28.8787,
21.8888


 101.8133,
130.2245, 114.4770

 12.3098, 18.9891,
13.5776


 129.7767,
163.5640, 146.1310

 7.0288, 11.6624,
7.6921

162.4419,
202.1572, 183.1404

 3.5266, 6.5142,
3.8136

200.1742,
246.3884, 225.9236

 1.4380, 3.1602,
1.5237

243.3389,

 0.2830, 1.2159,

296.6422, 274.8993

0.2355

292.3014,
353.3028, 330.4860

■ 0.0000, 0.0747,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4801, 57.8843,
47.4619

■ 42.4801, 57.8843,
47.4619

■ 38.1406, 55.7798,
41.3410

■ 47.6504, 60.4073,
54.2104

■ 34.5811, 54.0632,
35.8254

■ 53.6893, 63.3631,
61.6000

■ 31.7520, 52.7109,
30.8972

■ 60.6379, 66.7743,
69.6489

■ 29.5959, 51.6937,
26.5360

■ 68.5333, 70.6596,
78.3732

■ 28.0460, 50.9775,
22.7200

■ 77.4104, 75.0367,
87.7884

■ 27.0165, 50.5186,
19.4257

■ 82.6685, 77.5336,
97.6928

■ 26.7554, 50.4044,
18.4953

■ 84.1039, 78.1078,
105.2513

Harmonies

Analogous

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



46.6531, 57.8843, 34.5774



42.4801, 57.8843, 47.4619



41.5183, 57.8843, 67.8956

Triad

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



42.4801, 57.8843, 47.4619



56.6923, 57.8843, 115.5537



67.8808, 57.8843, 40.9736

Complementary

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



42.4801, 57.8843, 47.4619



46.1102, 36.0634, 49.3329

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.



71.1646, 57.8843, 58.3953



42.4801, 57.8843, 47.4619



64.3258, 57.8843, 103.9137

Square

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



42.4801, 57.8843, 47.4619



49.2739, 57.8843, 110.6837



69.8063, 57.8843, 81.6678



61.1905, 57.8843, 31.4913

Rectangle

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



42.4801, 57.8843, 47.4619



42.7392, 57.8843, 83.9311



69.8063, 57.8843, 81.6678



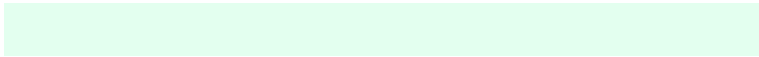
69.4469, 57.8843, 45.9171

Sweetspot

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



42.4817, 57.8867, 47.4632



82.9837, 94.0671, 95.3444



49.0176, 61.5836, 32.9711



17.4684, 19.9901, 20.0677



0.0000, 0.0000, 0.0000



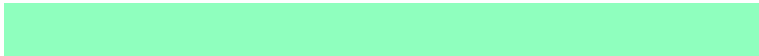
20.3446, 21.4041, 23.3091

Same Dimension

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



42.4817, 57.8867, 47.4632



56.4003, 81.0807, 61.6701



46.8057, 59.6163, 70.2334



13.1150, 14.6976, 15.0686



16.2461, 30.5311, 11.4612



1.0950, 1.9950, 0.9664

Inverse Universe

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



46.1102, 36.0634, 49.3329



62.3337, 45.3654, 64.7058



42.5712, 34.6478, 30.6971



13.3683, 13.1764, 15.2006



19.6083, 9.8444, 12.8492



1.3131, 0.6549, 1.0577

Previews

White Background



This preview shows how the XYZ color 42.4801, 57.8843, 47.4619 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 42.4801, 57.8843, 47.4619 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 42.4801, 57.8843, 47.4619

Background



This preview shows how black text looks on a background with the XYZ color 42.4801, 57.8843, 47.4619.



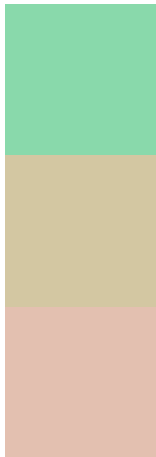
This preview shows how white text looks on a background with the XYZ color 42.4801, 57.8843,

47.4619.

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

42.4801, 57.8843, 47.4619

Protanopia

53.8090, 57.3044, 42.4072

Deuteranopia

58.3647, 57.1648, 49.0320



Tritanopia

49.1685, 57.9737, 80.5501

Trichromacy



Original Color

42.4801, 57.8843, 47.4619



Protanomaly

48.6300, 57.0496, 44.0459



Deuteranomaly

50.7748, 56.2986, 48.2350



Tritanomaly

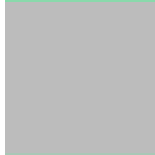
46.6119, 58.0645, 67.1434

Monochromacy



Original Color

42.4801, 57.8843, 47.4619



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.2291, 52.6593, 52.0364

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4801, 57.8843, 47.4619 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(137, 217, 171)` looks like.

```
.text, #text, p{  
    color:rgb(137, 217, 171)  
}
```

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(137, 217, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 217, 171) }
```

Border

The CSS property to change the border of an element to XYZ 42.4801, 57.8843, 47.4619 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(137, 217, 171) }
```


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

```
.border{ border-color:rgb(137, 217, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 217, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 217, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 217, 171);  
box-shadow:4px 4px 4px 4px rgb(137, 217,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4801, 57.8843, 47.4619 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 217, 171) }
```

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

```
.background{ background-color: rgb(137,  
217, 171) }
```

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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