

Converting Colors

XYZ(42.6777, 57.4175, 38.7417)

Have a look what the booklet for
XYZ(42.6777, 57.4175, 38.7417)
contains.

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Color

**XYZ(42.7304, 57.4472,
38.5420)**

Conversions

Conversions Part 1

Format	Color
Hex	97D798
RGB	151, 215, 152
RGB Percent	59%, 84%, 60%
CMY	0.4078, 0.1568, 0.4039
CMYK	0.30, 0.00, 0.29, 0.16
HSL	121°, 44%, 72%
HSV	121°, 30%, 84%
XYZ	42.7304, 57.4472, 38.5420
YIQ	188.6820, -17.9210, -33.1610

Conversions

Conversions Part 2

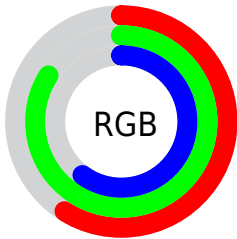
Format	Color
RYB	151, 214, 215
Decimal	9951128
CIELab	80.43, -32.62, 24.78
CIElCh	80, 40.962, 142.772
Yxy	57.4472, 0.3080, 0.4141
Android (android.graphics.Color)	4288141208 (0xFF97D798)
YUV	188.6820, -18.0842, -33.0471
Hunter-Lab	75.7939, -32.0063, 22.9062

Details

The XYZ color **42.7304, 57.4472, 38.5420** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.2304, 41.4364, 68.9185**, and the grayscale version is **48.2967, 50.8118, 55.3341**.

A 20% lighter version of the original color is **72.7546, 89.2904, 72.4317**, and **19.9568, 28.6779, 16.7955** is the 20% darker color. If you saturate the color by 10%, you get **37.5168, 54.9439, 30.0430**, and if you desaturate by 10%, it is **48.9840, 60.4542, 48.7066**.

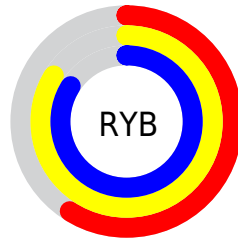
Distribution



Red (59%)

Green (84%)

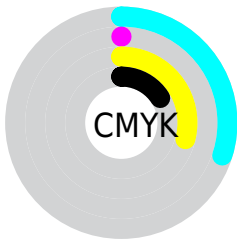
Blue (60%)



Red (59%)

Yellow (84%)

Blue (84%)

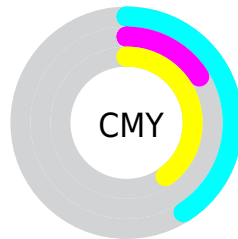


Cyan (30%)

Magenta (0%)

Yellow (29%)

Black (16%)



Cyan (41%)

Magenta (16%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.7304, 57.4472, 38.5420 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 42.7304, 57.4472, 38.5420 by changing the saturation by 10% instead.

■ 42.7304, 57.4472,
38.5420

■ 42.7304, 57.4472,
38.5420

348.4422,
415.1229, 355.3070

■ 29.8672, 41.3644,
26.0985

■ 78.5621, 101.1174,
74.1507

■ 19.8854, 28.6039,
16.6709

■ 102.2614,
129.4736, 98.1531

■ 12.4196, 18.7814,
9.8407

130.3034,
162.6897, 126.8455

■ 7.1043, 11.5124,
5.1892

163.0535,
201.1502, 160.6465

■ 3.5743, 6.4126,
2.2980

200.8771,
245.2393, 199.9746

■ 1.4643, 3.0976,
0.7301

244.1395,

■ 0.3013, 1.1829,

295.3415, 245.2483

0.0000

293.2061,
351.8413, 296.8863

■ 0.0000, 0.0477,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.7304, 57.4472,
38.5420

■ 42.7304, 57.4472,
38.5420

■ 37.5168, 54.9439,
30.0430

■ 48.9840, 60.4542,
48.7066

■ 33.2827, 52.9100,
23.1173

■ 56.3249, 63.9826,
60.6149

■ 29.9681, 51.3185,
17.6695

■ 64.8030, 68.0581,
74.3446

■ 27.5050, 50.1364,
13.5923

■ 74.4637, 72.7026,
89.9678

■ 25.8156, 49.3263,
10.7638

■ 83.5916, 77.0832,
105.0805

■ 24.8081, 48.8440,
9.0410

■ 24.3289, 48.6148,
8.2120

■ 24.3200, 48.6105,
8.1976

Harmonies

Analogous

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



48.5887, 57.4472, 28.8721



42.7304, 57.4472, 38.5420



40.1017, 57.4472, 56.9118

Triad

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



42.7304, 57.4472, 38.5420



52.5958, 57.4472, 120.5390



70.8801, 57.4472, 46.3075

Complementary

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



42.7304, 57.4472, 38.5420



51.2304, 41.4364, 68.9185

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.



72.2334, 57.4472, 68.5493



42.7304, 57.4472, 38.5420



61.0916, 57.4472, 115.5965

Square

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



42.7304, 57.4472, 38.5420



45.4062, 57.4472, 107.0559



68.4905, 57.4472, 94.8966



64.9621, 57.4472, 32.4876

Rectangle

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



42.7304, 57.4472, 38.5420



40.3229, 57.4472, 73.3378



68.4905, 57.4472, 94.8966



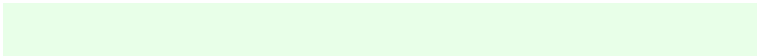
71.9071, 57.4472, 52.8761

Sweetspot

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



42.7319, 57.4496, 38.5433



83.6786, 94.5336, 90.4854



57.9132, 65.2853, 38.8275



17.5453, 20.0585, 18.7755



0.0000, 0.0000, 0.0000



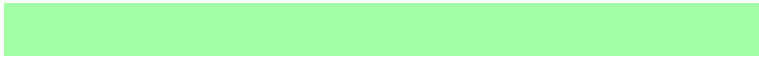
20.3446, 21.4041, 23.3091

Same Dimension

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



42.7319, 57.4496, 38.5433



57.6637, 82.0310, 48.2182



45.6118, 58.6016, 53.7084



12.2702, 13.8991, 13.2375



14.5492, 29.0750, 4.9220



0.8804, 1.7548, 0.3118

Inverse Universe

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



51.2304, 41.4364, 68.9185



72.1924, 54.6533, 100.1446



47.6399, 40.0002, 50.0111



12.9443, 12.6292, 15.6467



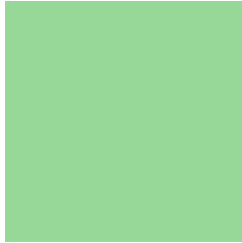
23.8464, 11.4749, 38.0906



1.4410, 0.6932, 2.3119

Previews

White Background



This preview shows how the XYZ color 42.7304, 57.4472, 38.5420 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 42.7304, 57.4472, 38.5420 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 42.7304, 57.4472, 38.5420

Background



This preview shows how black text looks on a background with the XYZ color 42.7304, 57.4472, 38.5420.



This preview shows how white text looks on a background with the XYZ color 42.7304, 57.4472,

38.5420.

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

42.7304, 57.4472, 38.5420

Protanopia

53.2658, 57.1873, 35.0189

Deuteranopia

57.9953, 56.8517, 39.8151



Tritanopia

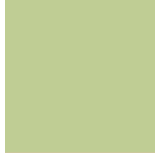
50.5660, 57.3091, 77.5039

Trichromacy



Original Color

42.7304, 57.4472, 38.5420



Protanomaly

48.6625, 56.8771, 36.4306



Deuteranomaly

51.1993, 56.3716, 39.1927



Tritanomaly

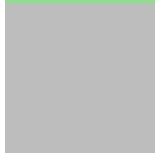
47.1766, 57.0031, 61.3395

Monochromacy



Original Color

42.7304, 57.4472, 38.5420



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

45.7098, 52.6367, 48.8250

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7304, 57.4472, 38.5420 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(151, 215, 152)` looks like.

```
.text, #text, p{  
    color:rgb(151, 215, 152)  
}
```

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(151, 215, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 215, 152) }
```

Border

The CSS property to change the border of an element to XYZ 42.7304, 57.4472, 38.5420 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(151, 215, 152) }
```


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

```
.border{ border-color:rgb(151, 215, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 215, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 215, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 215, 152);  
box-shadow:4px 4px 4px 4px rgb(151, 215,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7304, 57.4472, 38.5420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 215, 152) }
```

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

```
.background{ background-color: rgb(151,  
215, 152) }
```

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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