

Converting Colors

XYZ(42.2724, 57.8111, 34.4543)

Have a look what the booklet for
XYZ(42.2724, 57.8111, 34.4543)
contains.

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Color

**XYZ(42.2009, 57.6440,
34.4934)**

Conversions

Conversions Part 1

Format	Color
Hex	97D88E
RGB	151, 216, 142
RGB Percent	59%, 85%, 56%
CMY	0.4078, 0.1529, 0.4431
CMYK	0.30, 0.00, 0.34, 0.15
HSL	113°, 49%, 70%
HSV	113°, 34%, 85%
XYZ	42.2009, 57.6440, 34.4934
YIQ	188.1290, -14.9860, -36.7940

Conversions

Conversions Part 2

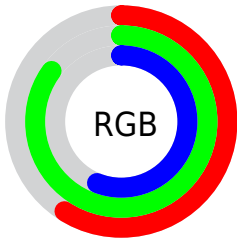
Format	Color
RYB	142, 216, 207
Decimal	9951374
CIELab	80.54, -34.68, 30.11
CIELCh	81, 45.926, 139.034
Yxy	57.6440, 0.3141, 0.4291
Android (android.graphics.Color)	4288141454 (0xFF97D88E)
YUV	188.1290, -22.7416, -32.5621
Hunter-Lab	75.9236, -33.6501, 26.2101

Details

The XYZ color **42.2009, 57.6440, 34.4934** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.8022, 37.5709, 69.7012**, and the grayscale version is **48.0059, 50.5059, 55.0009**.

A 20% lighter version of the original color is **71.4559, 88.7709, 65.5929**, and **19.5630, 28.7865, 14.4228** is the 20% darker color. If you saturate the color by 10%, you get **37.4916, 55.3876, 26.6123**, and if you desaturate by 10%, it is **47.7941, 60.3232, 44.0587**.

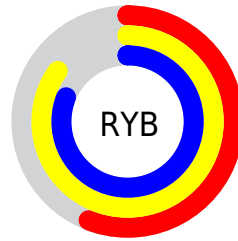
Distribution



Red (59%)

Green (85%)

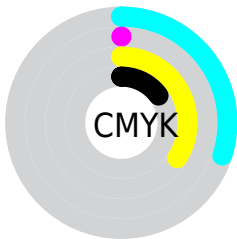
Blue (56%)



Red (56%)

Yellow (85%)

Blue (81%)

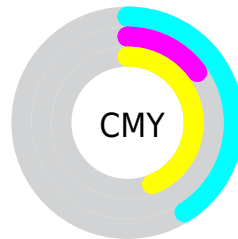


Cyan (30%)

Magenta (0%)

Yellow (34%)

Black (15%)



Cyan (41%)


Magenta (15%)


Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.2009, 57.6440, 34.4934 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 42.2009, 57.6440, 34.4934 by changing the saturation by 10% instead.


 42.2009, 57.6440,
34.4934


 42.2009, 57.6440,
34.4934


346.2925,
415.8581, 337.1626

 29.4504, 41.5225,
22.9925


 77.7668, 101.4043,
67.8429

 19.5678, 28.7276,
14.3827


 101.3130,
129.8118, 90.5285

 12.1877, 18.8748,
8.2455


129.1885,
163.0835, 117.7794

 6.9448, 11.5799,
4.1624

161.7586,
201.6038, 150.0142

 3.4736, 6.4583,
1.7149

199.3887,
245.7570, 187.6513

 1.4089, 3.1257,
0.3709

242.4442,

 0.2625, 1.1977,

295.9275, 231.1094

0.0000

291.2903,
352.4997, 280.8070

■ 0.0000, 0.0598,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.2009, 57.6440,
34.4934

■ 42.2009, 57.6440,
34.4934

■ 37.4916, 55.3876,
26.6123

■ 47.7941, 60.3232,
44.0587

■ 33.6166, 53.5253,
20.3143

■ 54.3090, 63.4376,
55.3938

■ 30.5280, 52.0365,
15.4935

■ 61.7861, 67.0080,
68.5830

■ 28.1710, 50.8957,
12.0295

■ 70.2626, 71.0519,
83.7044

■ 26.4840, 50.0740,
9.7828

■ 79.7734, 75.5857,
100.8311

■ 25.3945, 49.5378,
8.5841

■ 83.8470, 77.5940,
105.1657

■ 24.9898, 49.3371,
8.2059

Harmonies

Analogous

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



49.0832, 57.6440, 25.3483



42.2009, 57.6440, 34.4934



38.8396, 57.6440, 53.3912

Triad

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



42.2009, 57.6440, 34.4934



51.4100, 57.6440, 128.8321



73.7889, 57.6440, 47.3001

Complementary

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



42.2009, 57.6440, 34.4934



47.8022, 37.5709, 69.7012

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.



74.5974, 57.6440, 73.1752



42.2009, 57.6440, 34.4934



60.9205, 57.6440, 125.8007

Square

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



42.2009, 57.6440, 34.4934



43.7356, 57.6440, 110.7348



69.6600, 57.6440, 103.3584



67.5633, 57.6440, 31.1406

Rectangle

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



42.2009, 57.6440, 34.4934



38.7552, 57.6440, 71.2806



69.6600, 57.6440, 103.3584



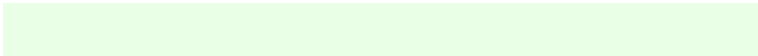
74.7280, 57.6440, 54.9553

Sweetspot

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



42.2024, 57.6465, 34.4947



83.4469, 94.4617, 88.3301



55.3072, 60.7615, 34.4052



17.5372, 20.0640, 18.3361



0.0000, 0.0000, 0.0000



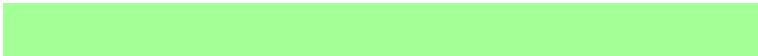
20.3446, 21.4041, 23.3091

Same Dimension

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



42.2024, 57.6465, 34.4947



56.4391, 81.5404, 41.8087



42.8869, 57.7346, 46.4868



12.4013, 13.9676, 13.2031



14.8391, 29.2262, 4.8591



0.9426, 1.7873, 0.2953

Inverse Universe

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



47.8022, 37.5709, 69.7012



65.7446, 48.1045, 100.4277



47.1648, 37.6148, 52.8448



12.7975, 12.5525, 15.6859



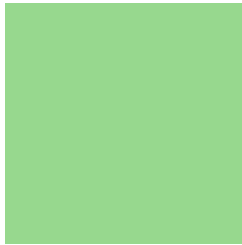
19.9277, 9.4256, 39.2222



1.2447, 0.5906, 2.3677

Previews

White Background



This preview shows how the XYZ color 42.2009, 57.6440, 34.4934 looks on a white background.

Color Contrast Check

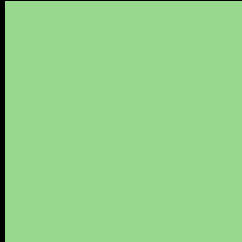
Large Text (above 18pt) WCAG AA × Fail

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 42.2009, 57.6440, 34.4934 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 42.2009, 57.6440, 34.4934

Background



This preview shows how black text looks on a background with the XYZ color 42.2009, 57.6440, 34.4934.



This preview shows how white text looks on a background with the XYZ color 42.2009, 57.6440,

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

42.2009, 57.6440, 34.4934

Protanopia

53.1155, 57.1950, 31.1619

Deuteranopia

58.2370, 57.0619, 35.9616



Tritanopia

50.9076, 57.4697, 78.2217

Trichromacy



Original Color

42.2009, 57.6440, 34.4934



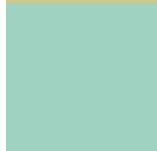
Protanomaly

48.1570, 56.7041, 32.4516



Deuteranomaly

50.7444, 56.2212, 35.3714



Tritanomaly

47.2814, 57.4618, 59.6382

Monochromacy



Original Color

42.2009, 57.6440, 34.4934



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.2240, 52.4424, 46.2669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2009, 57.6440, 34.4934 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, 216, 142)` looks like.

```
.text, #text, p{  
    color:rgb(151, 216, 142)  
}
```

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, 216, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 216, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.2009, 57.6440, 34.4934 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, 216, 142) }
```


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

```
.border{ border-color:rgb(151, 216, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 216, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 216, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 216, 142);  
box-shadow:4px 4px 4px 4px rgb(151, 216,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2009, 57.6440, 34.4934 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 216, 142) }
```

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

```
.background{ background-color: rgb(151,  
216, 142) }
```

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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