

Converting Colors

XYZ(42.5170, 57.3073, 40.2120)

Have a look what the booklet for
XYZ(42.5170, 57.3073, 40.2120)
contains.

XYZ(42.5139, 57.2971, 40.2712)	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(42.5139, 57.2971,
40.2712)**

Conversions

Conversions Part 1

Format	Color
Hex	94D79C
RGB	148, 215, 156
RGB Percent	58%, 84%, 61%
CMY	0.4196, 0.1568, 0.3882
CMYK	0.31, 0.00, 0.27, 0.16
HSL	127°, 46%, 71%
HSV	127°, 31%, 84%
XYZ	42.5139, 57.2971, 40.2712
YIQ	188.2410, -20.9930, -32.5530

Conversions

Conversions Part 2

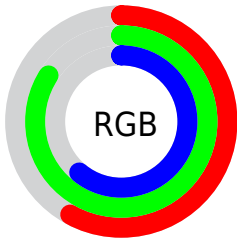
Format	Color
RYB	148, 208, 215
Decimal	9754524
CIELab	80.35, -32.90, 22.55
CIELCh	80, 39.888, 145.572
Yxy	57.2971, 0.3035, 0.4090
Android (android.graphics.Color)	4287944604 (0xFF94D79C)
YUV	188.2410, -15.8948, -35.2914
Hunter-Lab	75.6948, -32.2117, 21.4429

Details

The XYZ color **42.5139, 57.2971, 40.2712** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.8786, 40.1330, 64.1512**, and the grayscale version is **48.0343, 50.5358, 55.0335**.

A 20% lighter version of the original color is **72.4197, 89.0605, 75.0015**, and **19.7888, 28.5740, 17.5691** is the 20% darker color. If you saturate the color by 10%, you get **37.5001, 54.8850, 32.3103**, and if you desaturate by 10%, it is **48.5030, 60.1863, 49.5847**.

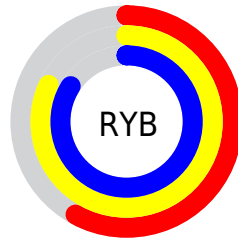
Distribution



Red (58%)

Green (84%)

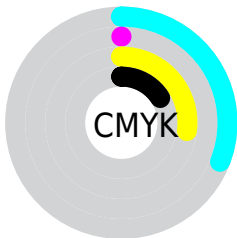
Blue (61%)



Red (58%)

Yellow (82%)

Blue (84%)

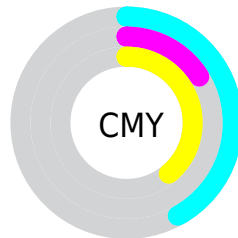


Cyan (31%)

Magenta (0%)

Yellow (27%)

Black (16%)



Cyan (42%)


Magenta (16%)


Yellow (39%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5139, 57.2971, 40.2712 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 42.5139, 57.2971, 40.2712 by changing the saturation by 10% instead.


 42.5139, 57.2971,
40.2712


 42.5139, 57.2971,
40.2712


347.5643,
414.5616, 362.8513

 29.6968, 41.2438,
27.4347


 78.2371, 100.8986,
76.8179

 19.7555, 28.5097,
17.6646


 101.8739,
129.2155, 101.3652

 12.3246, 18.7102,
10.5425

129.8479,
162.3892, 130.6531

 7.0389, 11.4611,
5.6498

162.5245,
200.8039, 165.1002

 3.5330, 6.3779,
2.5680

200.2692,
244.8442, 205.1250

 1.4415, 3.0762,
0.8759

243.4471,

 0.2855, 1.1716,

294.8943, 251.1461

0.0000

292.4237,
351.3386, 303.5821

■ 0.0000, 0.0383,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5139, 57.2971,
40.2712

■ 42.5139, 57.2971,
40.2712

■ 37.5001, 54.8850,
32.3103

■ 48.5030, 60.1863,
49.5847

■ 33.4054, 52.9177,
25.6354

■ 55.5107, 63.5689,
60.3055

■ 30.1749, 51.3697,
20.1803

■ 63.5830, 67.4690,
72.4901

■ 27.7461, 50.2104,
15.8710

■ 72.7619, 71.9071,
86.1905

■ 26.0476, 49.4049,
12.6259

■ 82.9017, 76.8072,
101.4478

■ 24.9953, 48.9117,
10.3521

■ 83.5916, 77.0832,
105.0805

■ 24.4844, 48.6763,
9.0633

Harmonies

Analogous

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



47.9626, 57.2971, 29.9941



42.5139, 57.2971, 40.2712



40.2640, 57.2971, 58.9807

Triad

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



42.5139, 57.2971, 40.2712



53.2565, 57.2971, 118.7781



69.8763, 57.2971, 44.9292

Complementary

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



42.5139, 57.2971, 40.2712



49.8786, 40.1330, 64.1512

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.



71.6509, 57.2971, 65.9216



42.5139, 57.2971, 40.2712



61.5174, 57.2971, 112.3416

Square

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



42.5139, 57.2971, 40.2712



46.0601, 57.2971, 107.2834



68.4554, 57.2971, 91.4015



63.8218, 57.2971, 32.1745

Rectangle

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



42.5139, 57.2971, 40.2712



40.6982, 57.2971, 75.2456



68.4554, 57.2971, 91.4015



71.0174, 57.2971, 51.0834

Sweetspot

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



42.5154, 57.2995, 40.2725



84.0201, 94.6702, 92.2835



55.4315, 64.0337, 37.4555



17.6286, 20.0918, 19.2139



0.0000, 0.0000, 0.0000



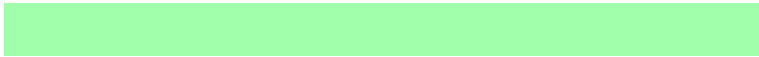
20.3446, 21.4041, 23.3091

Same Dimension

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



42.5154, 57.2995, 40.2725



57.8259, 82.0361, 51.7745



45.7346, 58.5872, 57.2243



12.3221, 13.9199, 13.5108



14.6645, 29.1211, 5.5288



0.9050, 1.7647, 0.4416

Inverse Universe

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



49.8786, 40.1330, 64.1512



70.2125, 53.1430, 91.9329



46.2251, 38.6716, 44.9119



12.8862, 12.6060, 15.3410



22.3031, 10.8576, 29.9640



1.3637, 0.6623, 1.9044

Previews

White Background



This preview shows how the XYZ color 42.5139, 57.2971, 40.2712 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 42.5139, 57.2971, 40.2712 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 42.5139, 57.2971, 40.2712

Background



This preview shows how black text looks on a background with the XYZ color 42.5139, 57.2971, 40.2712.



This preview shows how white text looks on a background with the XYZ color 42.5139, 57.2971,

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

42.5139, 57.2971, 40.2712

Protanopia

52.9800, 56.6724, 36.1635

Deuteranopia

58.0188, 56.8237, 41.6284



Tritanopia

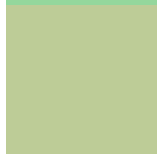
50.0885, 57.0474, 78.1833

Trichromacy



Original Color

42.5139, 57.2971, 40.2712



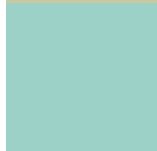
Protanomaly

48.1650, 56.2389, 37.5948



Deuteranomaly

50.9997, 56.2293, 40.9663



Tritanomaly

46.8196, 56.7924, 62.5272

Monochromacy



Original Color

42.5139, 57.2971, 40.2712



Achromatopsia

47.7994, 50.2886, 54.7643



Achromatomaly

45.2641, 52.4070, 48.8042

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5139, 57.2971, 40.2712 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(148, 215, 156)` looks like.

```
.text, #text, p{  
    color:rgb(148, 215, 156)  
}
```

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(148, 215, 156) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 215, 156) }
```

Border

The CSS property to change the border of an element to XYZ 42.5139, 57.2971, 40.2712 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(148, 215, 156) }
```


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

```
.border{ border-color:rgb(148, 215, 156) }
```

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

Here you see how a box with a 4 pixel rgb(148, 215, 156) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 215, 156); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 215, 156);  
box-shadow:4px 4px 4px 4px rgb(148, 215,  
156) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5139, 57.2971, 40.2712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 215, 156) }
```

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

```
.background{ background-color: rgb(148,  
215, 156) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor