

Converting Colors

XYZ(42.3588, 66.8033, 49.3976)

Have a look what the booklet for
XYZ(42.3588, 66.8033, 49.3976)
contains.

XYZ(42.3370, 66.7971, 49.1898)	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(42.3370, 66.7971,
49.1898)**

Conversions

Conversions Part 1

Format	Color
Hex	59EFAB
RGB	89, 239, 171
RGB Percent	35%, 94%, 67%
CMY	0.6510, 0.0627, 0.3294
CMYK	0.63, 0.00, 0.28, 0.06
HSL	153°, 82%, 64%
HSV	153°, 63%, 94%
XYZ	42.3370, 66.7971, 49.1898
YIQ	186.3980, -67.5720, -52.9480

Conversions

Conversions Part 2

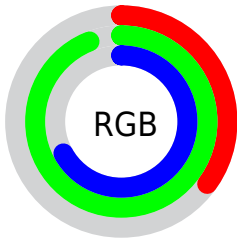
Format	Color
RYB	89, 186, 239
Decimal	5894059
CIELab	85.40, -55.22, 21.37
CIElCh	85, 59.211, 158.846
Yxy	66.7971, 0.2674, 0.4219
Android (android.graphics.Color)	4284084139 (0xFF59EFAB)
YUV	186.3980, -7.5912, -85.4180
Hunter-Lab	81.7295, -50.5612, 21.5263

Details

The XYZ color **42.3370, 66.7971, 49.1898** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light muted spring green. A complement of this color would be **45.2570, 27.9313, 34.9068**, and the grayscale version is **46.9654, 49.4112, 53.8088**.

A 20% lighter version of the original color is **62.5740, 83.7415, 85.5388**, and **19.9980, 34.7639, 22.7956** is the 20% darker color. If you saturate the color by 10%, you get **39.4143, 65.4067, 43.8818**, and if you desaturate by 10%, it is **46.0921, 68.6104, 54.9817**.

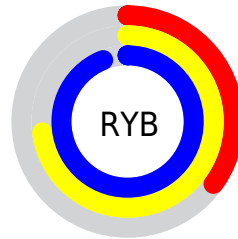
Distribution



Red (35%)

Green (94%)

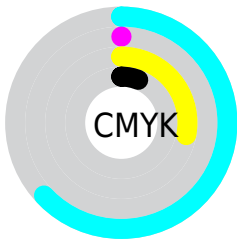
Blue (67%)



Red (35%)

Yellow (73%)

Blue (94%)

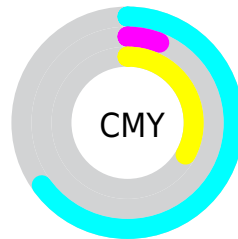


Cyan (63%)

Magenta (0%)

Yellow (28%)

Black (6%)



Cyan (65%)


Magenta (6%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.3370, 66.7971, 49.1898 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 42.3370, 66.7971, 49.1898 by changing the saturation by 10% instead.


 42.3370, 66.7971,
49.1898


 42.3370, 66.7971,
49.1898

346.8459,
449.2222, 400.1330


 29.5575, 48.9198,
34.4034


 77.9714, 114.6296,
90.3572


 19.6494, 34.5558,
22.9238


 101.5570,
145.3536, 117.5753

 12.2472, 23.3209,
14.3325


 129.4753,
181.1286, 149.7743

 6.9857, 14.8307,
8.2109

 162.0918,
222.3389, 187.3728

 3.4994, 8.7006,
4.1405

199.7718,
269.3691, 230.7895

 1.4230, 4.5464,
1.7027

242.8805,

 0.2725, 1.9837,

322.6034, 280.4426

0.3626

291.7835,
382.4263, 336.7510

■ 0.0000, 0.5980,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.3370, 66.7971,
49.1898

■ 42.3370, 66.7971,
49.1898

■ 39.4143, 65.4067,
43.8818

■ 46.0921, 68.6104,
54.9817

■ 37.2416, 64.3915,
39.0389


■ 50.7413, 70.8729,
61.2662


■ 35.7278, 63.7068,
34.6474

■ 56.3463, 73.6179,
68.0575


■ 34.9409, 63.3647,
31.7386

■ 62.9616, 76.8732,
75.3676

 70.6375, 80.6647,
83.2083

 79.4206, 85.0161,
91.5906

 88.8728, 89.7014,
100.5028

 90.1577, 90.2154,
107.2692

Harmonies

Analogous

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



48.6407, 66.7971, 29.0237



42.3370, 66.7971, 49.1898



41.2535, 66.7971, 84.6968

Triad

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



42.3370, 66.7971, 49.1898



67.5398, 66.7971, 172.9094



85.7794, 66.7971, 35.5293

Complementary

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



42.3370, 66.7971, 49.1898



45.2570, 27.9313, 34.9068

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.



92.5494, 66.7971, 61.9483



42.3370, 66.7971, 49.1898



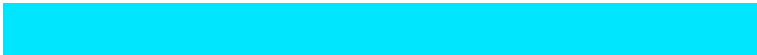
81.0870, 66.7971, 146.7997

Square

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



42.3370, 66.7971, 49.1898



54.6250, 66.7971, 165.7076



90.7208, 66.7971, 102.7901



73.2628, 66.7971, 23.2896

Rectangle

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



42.3370, 66.7971, 49.1898



43.4635, 66.7971, 114.5256



90.7208, 66.7971, 102.7901



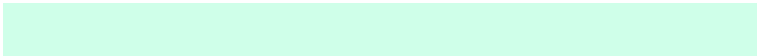
88.8776, 66.7971, 42.5867

Sweetspot

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



42.3388, 66.7998, 49.1913



76.0796, 90.6059, 90.5962



46.9699, 69.8280, 20.4546



15.7590, 19.1342, 18.8437



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.



42.3388, 66.7998, 49.1913



44.9538, 75.4399, 49.3835



49.1247, 67.2042, 92.0471



15.9274, 17.8010, 18.6407



19.3755, 35.0422, 17.8923



1.6620, 2.9352, 1.7524

Inverse Universe

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



45.2570, 27.9313, 34.9068



48.6008, 27.1153, 31.7177



41.4043, 27.0788, 12.4965



16.0707, 15.8780, 17.9287



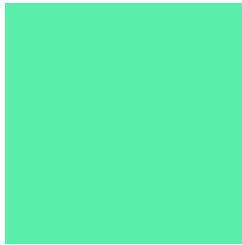
21.2419, 10.7692, 9.1902



1.8167, 0.9157, 1.0254

Previews

White Background



This preview shows how the XYZ color 42.3370, 66.7971, 49.1898 looks on a white background.

Color Contrast Check

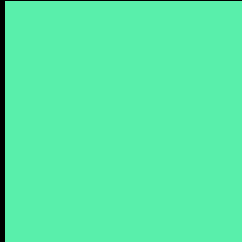
Large Text (above 18pt) WCAG AA × Fail

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 42.3370, 66.7971, 49.1898 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 42.3370, 66.7971, 49.1898

Background



This preview shows how black text looks on a background with the XYZ color 42.3370, 66.7971, 49.1898.

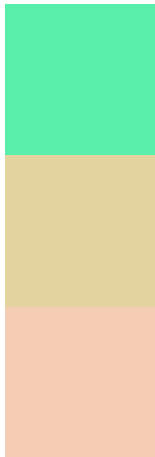


This preview shows how white text looks on a background with the XYZ color 42.3370, 66.7971,

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

42.3370, 66.7971, 49.1898

Protanopia

61.1444, 65.3880, 41.7463

Deuteranopia

67.0378, 65.6735, 51.7908



Tritanopia

52.1650, 66.5289, 98.8989

Trichromacy



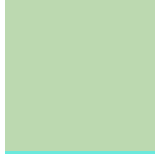
Original Color

42.3370, 66.7971, 49.1898



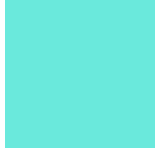
Protanomaly

50.5988, 63.7044, 44.2797



Deuteranomaly

53.3884, 63.4517, 50.5078



Tritanomaly

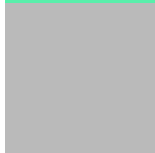
48.0010, 66.5093, 78.0178

Monochromacy



Original Color

42.3370, 66.7971, 49.1898



Achromatopsia

46.6715, 49.1021, 53.4722



Achromatomaly

42.9343, 53.5781, 51.7948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.3370, 66.7971, 49.1898 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(89, 239, 171)` looks like.

```
.text, #text, p{  
    color:rgb(89, 239, 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(89, 239, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(89, 239, 171) }
```

Border

The CSS property to change the border of an element to XYZ 42.3370, 66.7971, 49.1898 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(89, 239, 171) }
```


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

```
.border{ border-color:rgb(89, 239, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(89, 239, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(89, 239, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(89, 239, 171);  
box-shadow:4px 4px 4px 4px rgb(89, 239,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 42.3370, 66.7971, 49.1898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(89, 239, 171) }
```

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

```
.background{ background-color: rgb(89, 239,  
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](#).

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