

Converting Colors

XYZ(46.0331, 72.1800, 21.5850)

Have a look what the booklet for
XYZ(46.0331, 72.1800, 21.5850)
contains.

XYZ(45.9119, 71.9172, 21.5868)	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(45.9119, 71.9172,
21.5868)**

Conversions

Conversions Part 1

Format	Color
Hex	8FF55C
RGB	143, 245, 92
RGB Percent	56%, 96%, 36%
CMY	0.4392, 0.0392, 0.6392
CMYK	0.42, 0.00, 0.62, 0.04
HSL	100°, 88%, 66%
HSV	100°, 62%, 96%
XYZ	45.9119, 71.9172, 21.5868
YIQ	197.0600, -11.6790, -69.2070

Conversions

Conversions Part 2

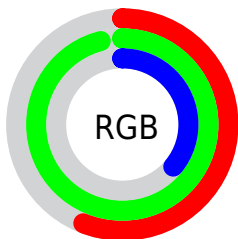
Format	Color
RYB	92, 245, 194
Decimal	9434460
CIELab	87.93, -55.66, 62.57
CIELCh	88, 83.739, 131.654
Yxy	71.9172, 0.3293, 0.5158
Android (android.graphics.Color)	4287624540 (0xFF8FF55C)
YUV	197.0600, -51.7946, -47.4106
Hunter-Lab	84.8040, -51.7692, 44.2706

Details

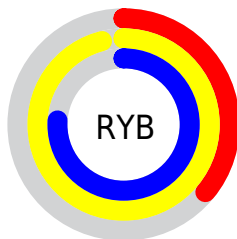
The XYZ color **45.9119, 71.9172, 21.5868** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **42.5603, 25.7186, 89.1112**, and the grayscale version is **53.4171, 56.1989, 61.2006**.

A 20% lighter version of the original color is **65.4624, 86.2147, 41.2078**, and **21.8112, 37.9097, 7.5342** is the 20% darker color. If you saturate the color by 10%, you get **42.3849, 70.2056, 16.7069**, and if you desaturate by 10%, it is **50.2003, 73.9858, 28.3123**.

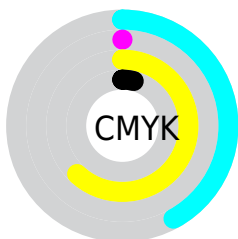
Distribution



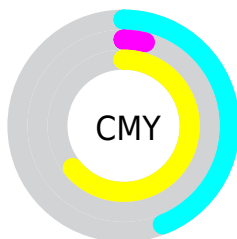
- Red (56%)
- Green (96%)
- Blue (36%)



- Red (36%)
- Yellow (96%)
- Blue (76%)



- Cyan (42%)
- Magenta (0%)
- Yellow (62%)
- Black (4%)





- Cyan (44%)
- Magenta (4%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9119, 71.9172, 21.5868 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 45.9119, 71.9172, 21.5868 by changing the saturation by 10% instead.


 45.9119, 71.9172,
21.5868


 45.9119, 71.9172,
21.5868


361.1762,
467.2534, 273.2635

 32.3806, 53.0910,
13.3582


 83.3158, 121.9388,
46.9555


 21.8094, 37.8755,
7.5420


 107.9192,
153.9030, 64.9327

 13.8327, 25.8860,
3.7198


 136.9439,
191.0154, 86.9965

 8.0853, 16.7384,
1.4729

 170.7554,
233.6603, 113.5654

 4.2019, 10.0482,
0.1976

209.7191,
282.2222, 145.0581

 1.8170, 5.4309,
0.0000

254.2002,

 0.5279, 2.5022,

337.0854, 181.8929

0.0000

304.5641,
398.6343, 224.4886

■ 0.0000, 0.8778,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9119, 71.9172,
21.5868

■ 45.9119, 71.9172,
21.5868

■ 42.3849, 70.2056,
16.7069

■ 50.2003, 73.9858,
28.3123

■ 39.5618, 68.8186,
13.4840


■ 55.2918, 76.4227,
37.0384


■ 37.3830, 67.7327,
11.6975

■ 61.2307, 79.2498,
47.9089

■ 36.1042, 67.0865,
11.0461

■ 68.0564, 82.4847,
61.0532

 75.8056, 86.1437,
76.5905

 84.5129, 90.2422,
94.6314

 91.9439, 93.7878,
107.8646

Harmonies

Analogous

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



60.9004, 71.9172, 12.4889



45.9119, 71.9172, 21.5868



38.0443, 71.9172, 48.5847

Triad

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



45.9119, 71.9172, 21.5868



56.9857, 71.9172, 235.5656



113.1908, 71.9172, 58.1565

Complementary

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



45.9119, 71.9172, 21.5868



42.5603, 25.7186, 89.1112

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.



111.5776, 71.9172, 118.1919



45.9119, 71.9172, 21.5868



76.3947, 71.9172, 242.5449

Square

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



45.9119, 71.9172, 21.5868



43.5278, 71.9172, 176.2810



97.1291, 71.9172, 192.3076



101.1831, 71.9172, 25.6568

Rectangle

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



45.9119, 71.9172, 21.5868



36.7517, 71.9172, 81.5177



97.1291, 71.9172, 192.3076



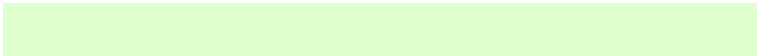
114.2780, 71.9172, 75.1790

Sweetspot

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



45.9136, 71.9203, 21.5884



77.3062, 91.6431, 72.3579



58.8828, 58.7719, 18.3669



16.0451, 19.3783, 14.4934



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.



45.9136, 71.9203, 21.5884



45.5045, 76.4374, 17.1688



40.3087, 68.8797, 28.1562



16.8026, 18.7403, 17.5292



19.5799, 36.2066, 5.9566



1.8254, 3.2361, 0.5284

Inverse Universe

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



42.5603, 25.7186, 89.1112



41.4196, 21.9682, 96.6650



54.3383, 32.2096, 70.7200



16.6457, 16.4755, 20.8453



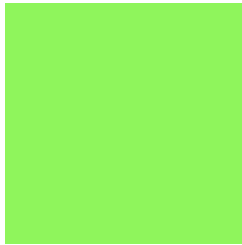
17.2063, 7.8445, 47.1453



1.6209, 0.7455, 4.1487

Previews

White Background



This preview shows how the XYZ color 45.9119, 71.9172, 21.5868 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 45.9119, 71.9172, 21.5868 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

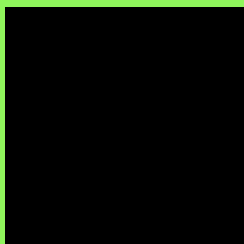
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

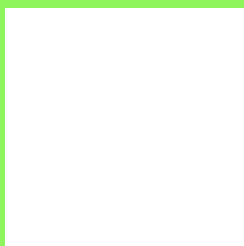
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 45.9119, 71.9172, 21.5868

Background



This preview shows how black text looks on a background with the XYZ color 45.9119, 71.9172, 21.5868.



This preview shows how white text looks on a background with the XYZ color 45.9119, 71.9172,

21.5868.

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

45.9119, 71.9172, 21.5868

Protanopia

64.5411, 71.0754, 18.9116

Deuteranopia

70.6162, 70.6801, 40.4926



Tritanopia

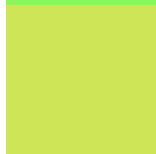
61.3248, 71.2510, 99.3276

Trichromacy



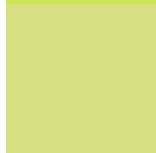
Original Color

45.9119, 71.9172, 21.5868



Protanomaly

55.5129, 70.0086, 19.8197



Deuteranomaly

58.4839, 69.2461, 31.7561



Tritanomaly

53.6095, 70.6518, 60.1019

Monochromacy



Original Color

45.9119, 71.9172, 21.5868



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

48.4360, 59.9434, 41.8183

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9119, 71.9172, 21.5868 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(143, 245, 92)` looks like.

```
.text, #text, p{  
    color:rgb(143, 245, 92)  
}
```

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(143, 245, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(143, 245, 92) }
```

Border

The CSS property to change the border of an element to XYZ 45.9119, 71.9172, 21.5868 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(143, 245, 92) }
```


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

```
.border{ border-color:rgb(143, 245, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(143, 245, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(143, 245, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(143, 245, 92);  
box-shadow:4px 4px 4px 4px rgb(143, 245,  
92) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9119, 71.9172, 21.5868 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(143, 245, 92) }
```

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

```
.background{ background-color: rgb(143,  
245, 92) }
```

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