

Converting Colors

XYZ(49.3376, 72.0172, 41.5046)

Have a look what the booklet for
XYZ(49.3376, 72.0172, 41.5046)
contains.

XYZ(49.1790, 71.8239, 41.4084)	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(49.1790, 71.8239,
41.4084)**

Conversions

Conversions Part 1

Format	Color
Hex	91F299
RGB	145, 242, 153
RGB Percent	57%, 95%, 60%
CMY	0.4314, 0.0510, 0.4000
CMYK	0.40, 0.00, 0.37, 0.05
HSL	125°, 79%, 76%
HSV	125°, 40%, 95%
XYZ	49.1790, 71.8239, 41.4084
YIQ	202.8510, -29.2430, -48.2430

Conversions

Conversions Part 2

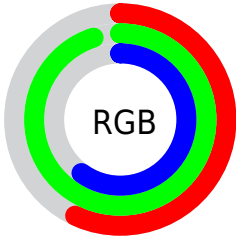
Format	Color
RYB	145, 235, 242
Decimal	9564825
CIELab	87.88, -46.37, 34.21
CIElCh	88, 57.622, 143.582
Yxy	71.8239, 0.3028, 0.4422
Android (android.graphics.Color)	4287754905 (0xFF91F299)
YUV	202.8510, -24.5765, -50.7353
Hunter-Lab	84.7490, -44.7289, 30.3552

Details

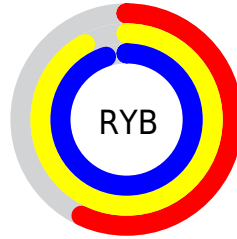
The XYZ color **49.1790, 71.8239, 41.4084** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.5970, 45.0701, 83.2975**, and the grayscale version is **56.8353, 59.7952, 65.1169**.

A 20% lighter version of the original color is **71.5023, 88.6306, 73.0134**, and **23.8177, 37.7614, 18.3453** is the 20% darker color. If you saturate the color by 10%, you get **43.6939, 69.1909, 32.4534**, and if you desaturate by 10%, it is **55.9173, 75.0677, 52.2065**.

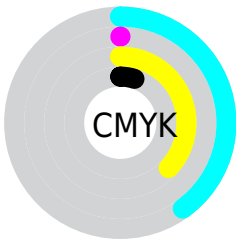
Distribution



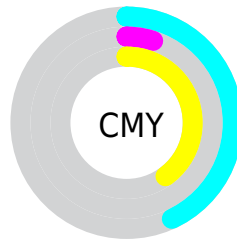
- Red (57%)
- Green (95%)
- Blue (60%)



- Red (57%)
- Yellow (92%)
- Blue (95%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (5%)





- Cyan (43%)
- Magenta (5%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1790, 71.8239, 41.4084 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 49.1790, 71.8239, 41.4084 by changing the saturation by 10% instead.


 49.1790, 71.8239,
41.4084


 49.1790, 71.8239,
41.4084

373.9519,
466.9284, 367.7517

 34.9766, 53.0148,
28.3162


 88.1564, 121.8061,
78.5639

 23.8113, 37.8146,
18.3231


 113.6621,
153.7481, 103.4643

 15.3177, 25.8388,
11.0103


143.6663,
190.8365, 133.1378

 9.1304, 16.7031,
5.9595

178.5343,
233.4556, 168.0030

 4.8841, 10.0230,
2.7521

218.6315,
281.9900, 208.4785

 2.2135, 5.4142,
0.9695


264.3233,


 0.7498, 2.4923,


336.8240, 254.9827


0.0000


315.9749,
398.3420, 307.9343


 0.0000, 0.8728,
0.0000


 0.0000, 0.0000,
0.0000


 49.1790, 71.8239,
41.4084


 49.1790, 71.8239,
41.4084


 43.6939, 69.1909,
32.4534


 55.9173, 75.0677,
52.2065


 39.3793, 67.1219,
25.2340

 63.9738, 78.9476,
64.9374

 36.1514, 65.5784,
19.6391

 73.4158, 83.4983,
79.6909

 33.9126, 64.5126,
15.5430

 84.3040, 88.7495,
96.5498

■ 32.5478, 63.8682,
12.8011

■ 91.0435, 91.9870,
107.5645

■ 31.8794, 63.5574,
11.2476

Harmonies

Analogous

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



58.2564, 71.8239, 27.4209



49.1790, 71.8239, 41.4084



45.2833, 71.8239, 70.0669

Triad

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



49.1790, 71.8239, 41.4084



65.3627, 71.8239, 179.7428



95.3808, 71.8239, 51.7278

Complementary

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



49.1790, 71.8239, 41.4084



61.5970, 45.0701, 83.2975

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.



97.9478, 71.8239, 86.9479



49.1790, 71.8239, 41.4084



79.3621, 71.8239, 169.7788

Square

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



49.1790, 71.8239, 41.4084



53.7854, 71.8239, 156.0226



91.7462, 71.8239, 132.1159



85.1382, 71.8239, 31.8336

Rectangle

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



49.1790, 71.8239, 41.4084



45.7196, 71.8239, 97.3020



91.7462, 71.8239, 132.1159



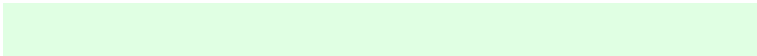
97.2221, 71.8239, 61.7843

Sweetspot

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



49.1808, 71.8269, 41.4100



80.4792, 92.9731, 86.3219



71.3033, 83.3053, 39.1101



16.9170, 19.7512, 17.9950



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.



49.1808, 71.8269, 41.4100



50.3047, 78.4480, 38.3566



53.8527, 73.6956, 66.0115



15.6188, 17.6775, 17.0156



17.1448, 34.1499, 6.1453



1.4444, 2.8482, 0.6065

Inverse Universe

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



61.5970, 45.0701, 83.2975



66.0397, 44.5125, 91.4206



55.7187, 42.7188, 52.3429



16.3947, 16.0076, 19.6348



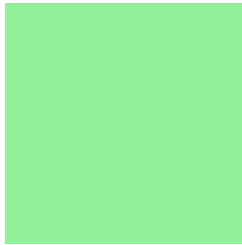
26.7819, 12.9852, 38.3638



2.2445, 1.0868, 3.2784

Previews

White Background



This preview shows how the XYZ color 49.1790, 71.8239, 41.4084 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 49.1790, 71.8239, 41.4084 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 49.1790, 71.8239, 41.4084

Background



This preview shows how black text looks on a background with the XYZ color 49.1790, 71.8239, 41.4084.



This preview shows how white text looks on a background with the XYZ color 49.1790, 71.8239,

41.4084.

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

49.1790, 71.8239, 41.4084

Protanopia

65.6255, 70.8538, 36.6029

Deuteranopia

71.6957, 70.7131, 47.4063



Tritanopia

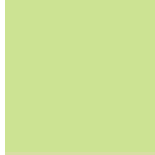
60.7055, 71.3257, 100.1902

Trichromacy



Original Color

49.1790, 71.8239, 41.4084



Protanomaly

57.6374, 69.8821, 38.0545



Deuteranomaly

60.7565, 69.3340, 44.8309



Tritanomaly

55.4650, 70.8688, 74.3741

Monochromacy



Original Color

49.1790, 71.8239, 41.4084



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.8612, 63.0736, 55.2873

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1790, 71.8239, 41.4084 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(145, 242, 153)` looks like.

```
.text, #text, p{  
    color:rgb(145, 242, 153)  
}
```

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(145, 242, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 242, 153) }
```

Border

The CSS property to change the border of an element to XYZ 49.1790, 71.8239, 41.4084 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(145, 242, 153) }
```


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

```
.border{ border-color:rgb(145, 242, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 242, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 242, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 242, 153);  
box-shadow:4px 4px 4px 4px rgb(145, 242,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1790, 71.8239, 41.4084 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 242, 153) }
```

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

```
.background{ background-color: rgb(145,  
242, 153) }
```

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