

Converting Colors

XYZ(48.2739, 74.6099, 37.4480)

Have a look what the booklet for
XYZ(48.2739, 74.6099, 37.4480)
contains.

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Color

**XYZ(48.2739, 74.6099,
37.4480)**

Conversions

Conversions Part 1

Format	Color
Hex	84F98E
RGB	132, 249, 142
RGB Percent	52%, 98%, 56%
CMY	0.4823, 0.0235, 0.4431
CMYK	0.47, 0.00, 0.43, 0.02
HSL	125°, 91%, 75%
HSV	125°, 47%, 98%
XYZ	48.2739, 74.6099, 37.4480
YIQ	201.8190, -35.3850, -58.0810

Conversions

Conversions Part 2

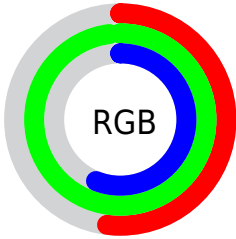
Format	Color
RYB	132, 240, 249
Decimal	8714638
CIELab	89.21, -54.56, 41.27
CIElCh	89, 68.413, 142.897
Yxy	74.6099, 0.3011, 0.4653
Android (android.graphics.Color)	4286904718 (0xFF84F98E)
YUV	201.8190, -29.4908, -61.2313
Hunter-Lab	86.3770, -51.4007, 34.7593

Details

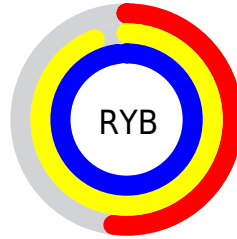
The XYZ color **48.2739, 74.6099, 37.4480** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **62.9005, 42.8757, 86.6244**, and the grayscale version is **56.2216, 59.1495, 64.4138**.

A 20% lighter version of the original color is **67.3239, 86.6276, 65.9958**, and **23.3676, 39.8152, 16.1264** is the 20% darker color. If you saturate the color by 10%, you get **43.2963, 72.2238, 29.1842**, and if you desaturate by 10%, it is **54.5337, 77.6209, 47.5981**.

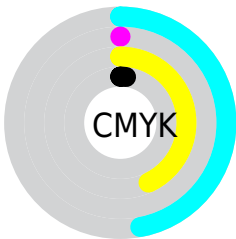
Distribution



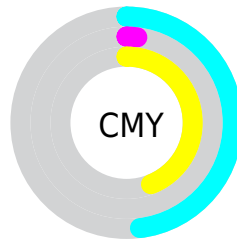
- Red (52%)
- Green (98%)
- Blue (56%)



- Red (52%)
- Yellow (94%)
- Blue (98%)



- Cyan (47%)
- Magenta (0%)
- Yellow (43%)
- Black (2%)





- Cyan (48%)
- Magenta (2%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2739, 74.6099, 37.4480 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 48.2739, 74.6099, 37.4480 by changing the saturation by 10% instead.


 48.2739, 74.6099,
37.4480


 48.2739, 74.6099,
37.4480


370.4413,
476.5757, 350.4730


 34.2560, 55.2934,
25.2560


 86.8193, 125.7600,
72.4553

 23.2542, 39.6367,
16.0472


 112.0775,
158.3624, 96.1077

 14.9030, 27.2554,
9.4028

 141.8132,
196.1621, 124.4173

 8.8372, 17.7651,
4.9045

176.3917,
239.5437, 157.8028

 4.6914, 10.7815,
2.1336

216.1785,
288.8914, 196.6825

 2.1002, 5.9201,
0.6356

261.5387,

 0.6893, 2.7965,

344.5897, 241.4751

0.0000

312.8379,
407.0230, 292.5991

0.0000, 1.0265,
0.0000

0.0000, 0.0000,
0.0000

48.2739, 74.6099,
37.4480

48.2739, 74.6099,
37.4480

43.2963, 72.2238,
29.1842

54.5337, 77.6209,
47.5981

39.5068, 70.4101,
22.6857

62.1502, 81.2866,
59.7354

36.8071, 69.1232,
17.8256

71.1989, 85.6460,
73.9599

35.0810, 68.3061,
14.4576

81.7481, 90.7321,
90.3632

■ 34.1823, 67.8872,
12.4096

■ 93.1672, 96.2343,
108.2724

■ 34.0152, 67.8095,
12.0192

Harmonies

Analogous

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



59.1460, 74.6099, 22.5755



48.2739, 74.6099, 37.4480



43.5963, 74.6099, 70.3936

Triad

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



48.2739, 74.6099, 37.4480



67.0195, 74.6099, 210.8415



104.7789, 74.6099, 50.4665

Complementary

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



48.2739, 74.6099, 37.4480



62.9005, 42.8757, 86.6244

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.



107.7679, 74.6099, 93.1415



48.2739, 74.6099, 37.4480



84.1488, 74.6099, 198.7353

Square

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



48.2739, 74.6099, 37.4480



53.2621, 74.6099, 178.8061



99.7145, 74.6099, 150.2574



92.0907, 74.6099, 27.7697

Rectangle

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



48.2739, 74.6099, 37.4480



44.0049, 74.6099, 103.5283



99.7145, 74.6099, 150.2574



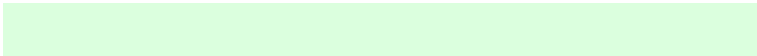
107.0250, 74.6099, 62.4006

Sweetspot

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



48.2758, 74.6130, 37.4497



78.2958, 91.9194, 82.9702



73.7247, 87.8153, 34.8946



16.2668, 19.4375, 16.9921



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.



48.2758, 74.6130, 37.4497



46.1314, 76.4434, 31.5276



53.8480, 76.8419, 66.7928



17.0776, 19.3333, 18.6092



18.2276, 36.3041, 6.5420



1.7081, 3.3703, 0.7107

Inverse Universe

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



62.9005, 42.8757, 86.6244



63.2027, 39.3511, 88.8948



55.6352, 39.9695, 48.3657



17.9253, 17.4975, 21.4622



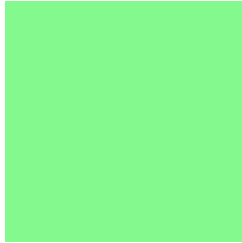
28.4132, 13.7810, 40.4797



2.6498, 1.2837, 3.8455

Previews

White Background



This preview shows how the XYZ color 48.2739, 74.6099, 37.4480 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 48.2739, 74.6099, 37.4480 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

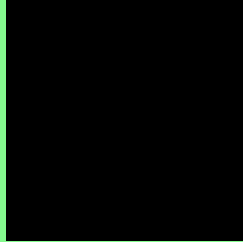
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.2739, 74.6099, 37.4480

Background



This preview shows how black text looks on a background with the XYZ color 48.2739, 74.6099, 37.4480.



This preview shows how white text looks on a background with the XYZ color 48.2739, 74.6099,

37.4480.

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

48.2739, 74.6099, 37.4480

Protanopia

67.8608, 73.6744, 32.4737

Deuteranopia

73.5337, 73.4669, 50.8623



Tritanopia

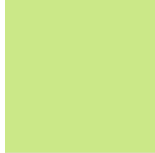
61.7558, 74.2788, 105.6901

Trichromacy



Original Color

48.2739, 74.6099, 37.4480



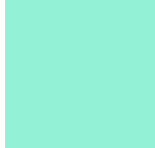
Protanomaly

57.9291, 72.1873, 34.1729



Deuteranomaly

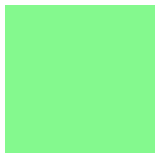
60.9326, 71.8328, 45.3040



Tritanomaly

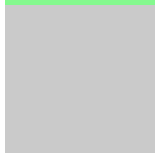
55.6255, 73.9687, 74.9639

Monochromacy



Original Color

48.2739, 74.6099, 37.4480



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.7012, 63.3054, 52.6742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2739, 74.6099, 37.4480 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(132, 249, 142)` looks like.

```
.text, #text, p{  
    color:rgb(132, 249, 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(132, 249, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 249, 142) }
```

Border

The CSS property to change the border of an element to XYZ 48.2739, 74.6099, 37.4480 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(132, 249, 142) }
```


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

```
.border{ border-color:rgb(132, 249, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 249, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 249, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 249, 142);  
box-shadow:4px 4px 4px 4px rgb(132, 249,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2739, 74.6099, 37.4480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 249, 142) }
```

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

```
.background{ background-color: rgb(132,  
249, 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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