

Converting Colors

XYZ(48.7055, 75.1938, 39.9223)

Have a look what the booklet for
XYZ(48.7055, 75.1938, 39.9223)
contains.

XYZ(48.7368, 75.2552, 39.9740)	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(48.7368, 75.2552,
39.9740)**

Conversions

Conversions Part 1

Format	Color
Hex	82FA94
RGB	130, 250, 148
RGB Percent	51%, 98%, 58%
CMY	0.4902, 0.0196, 0.4196
CMYK	0.48, 0.00, 0.41, 0.02
HSL	129°, 92%, 75%
HSV	129°, 48%, 98%
XYZ	48.7368, 75.2552, 39.9740
YIQ	202.4920, -38.7780, -57.1620

Conversions

Conversions Part 2

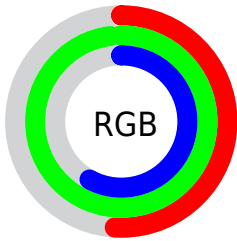
Format	Color
RYB	130, 234, 250
Decimal	8583828
CIELab	89.51, -54.60, 38.71
CIElCh	90, 66.926, 144.663
Yxy	75.2552, 0.2972, 0.4590
Android (android.graphics.Color)	4286773908 (0xFF82FA94)
YUV	202.4920, -26.8646, -63.5755
Hunter-Lab	86.7498, -51.5292, 33.4042

Details

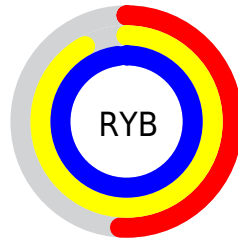
The XYZ color **48.7368, 75.2552, 39.9740** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **61.9747, 42.1168, 81.2090**, and the grayscale version is **56.6282, 59.5773, 64.8796**.

A 20% lighter version of the original color is **67.5258, 86.6506, 69.6662**, and **23.6355, 40.2497, 17.5896** is the 20% darker color. If you saturate the color by 10%, you get **43.8275, 72.9034, 31.7561**, and if you desaturate by 10%, it is **54.8902, 78.2170, 49.8652**.

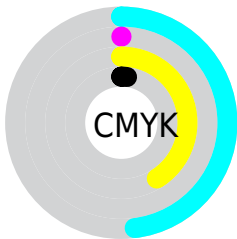
Distribution



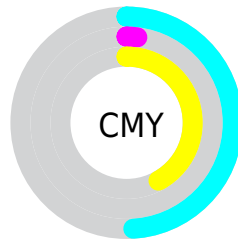
- Red (51%)
- Green (98%)
- Blue (58%)



- Red (51%)
- Yellow (92%)
- Blue (98%)



- Cyan (48%)
- Magenta (0%)
- Yellow (41%)
- Black (2%)





- Cyan (49%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.7368, 75.2552, 39.9740 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 48.7368, 75.2552, 39.9740 by changing the saturation by 10% instead.


 48.7368, 75.2552,
39.9740


 48.7368, 75.2552,
39.9740


372.2394,
478.7943, 361.5628


 34.6244, 55.8220,
27.2046


 87.5035, 126.6735,
76.3606

 23.5389, 40.0602,
17.4932


 112.8885,
159.4275, 100.8149

 15.1148, 27.5855,
10.4211


 142.7618,
197.3904, 130.0012

 8.9868, 18.0134,
5.5698

177.4887,
240.9468, 164.3382

 4.7896, 10.9596,
2.5208

217.4345,
290.4809, 204.2443

 2.1578, 6.0397,
0.8511

262.9647,

 0.7204, 2.8692,

346.3773, 250.1381

0.0000

314.4445,
409.0203, 302.4381

0.0000, 1.0638,
0.0000

0.0000, 0.0000,
0.0000

48.7368, 75.2552,
39.9740

48.7368, 75.2552,
39.9740

43.8275, 72.9034,
31.7561

54.8902, 78.2170,
49.8652

40.0711, 71.1100,
25.1141


62.3593, 81.8175,
61.5097


37.3728, 69.8305,
19.9483


71.2172, 86.0947,
74.9887


35.6198, 69.0091,
16.1457

81.5296, 91.0811,
90.3767

 34.6632, 68.5719,
13.5761

 93.3571, 96.8062,
107.7440

 34.5290, 68.5110,
13.1961

 93.4771, 96.8542,
108.3757

Harmonies

Analogous

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



59.1439, 75.2552, 24.1696



48.7368, 75.2552, 39.9740



44.4690, 75.2552, 73.8125

Triad

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



48.7368, 75.2552, 39.9740



68.6305, 75.2552, 208.9928



104.2335, 75.2552, 49.7003

Complementary

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



48.7368, 75.2552, 39.9740



61.9747, 42.1168, 81.2090

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.



107.7998, 75.2552, 90.6435



48.7368, 75.2552, 39.9740



85.5299, 75.2552, 194.6654

Square

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



48.7368, 75.2552, 39.9740



54.7742, 75.2552, 180.0687



100.5034, 75.2552, 146.1664



91.3904, 75.2552, 28.0921

Rectangle

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



48.7368, 75.2552, 39.9740



45.1215, 75.2552, 107.0297



100.5034, 75.2552, 146.1664



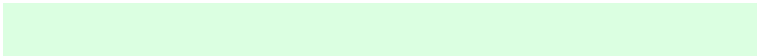
106.6322, 75.2552, 61.1141

Sweetspot

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



48.7387, 75.2583, 39.9757



78.6074, 92.0441, 84.6112



71.4965, 87.1425, 34.1713



16.3416, 19.4675, 17.3859



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.



48.7387, 75.2583, 39.9757



45.8170, 76.2446, 33.1708



54.7788, 77.6744, 71.7823



17.1235, 19.3517, 18.8508



18.3464, 36.3516, 7.1676



1.7297, 3.3790, 0.8247

Inverse Universe

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



61.9747, 42.1168, 81.2090



61.1894, 37.6688, 80.9968



54.8554, 39.2690, 43.7194



17.8745, 17.4772, 21.1951



27.2915, 13.3323, 34.5731



2.5571, 1.2466, 3.3569

Previews

White Background



This preview shows how the XYZ color 48.7368, 75.2552, 39.9740 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 48.7368, 75.2552, 39.9740 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

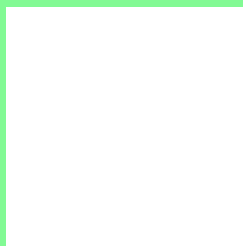
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 48.7368, 75.2552, 39.9740

Background



This preview shows how black text looks on a background with the XYZ color 48.7368, 75.2552, 39.9740.



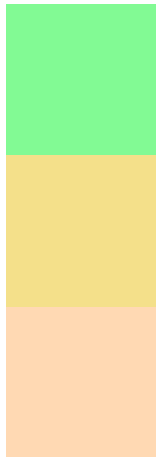
This preview shows how white text looks on a background with the XYZ color 48.7368, 75.2552,

39.9740.

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

48.7368, 75.2552, 39.9740

Protanopia

68.5513, 74.3794, 34.7884

Deuteranopia

74.1895, 74.1404, 53.0481



Tritanopia

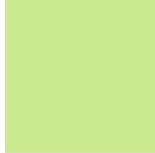
62.4347, 75.0575, 105.8046

Trichromacy



Original Color

48.7368, 75.2552, 39.9740



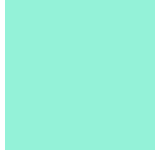
Protanomaly

58.6500, 72.9273, 36.5764



Deuteranomaly

61.6655, 72.5674, 47.8026



Tritanomaly

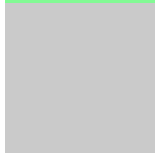
56.3595, 74.7580, 76.4250

Monochromacy



Original Color

48.7368, 75.2552, 39.9740



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.6795, 63.2705, 53.7446

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.7368, 75.2552, 39.9740 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(130, 250, 148)` looks like.

```
.text, #text, p{  
    color:rgb(130, 250, 148)  
}
```

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(130, 250, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 250, 148) }
```

Border

The CSS property to change the border of an element to XYZ 48.7368, 75.2552, 39.9740 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(130, 250, 148) }
```


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

```
.border{ border-color:rgb(130, 250, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 250, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 250, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 250, 148);  
box-shadow:4px 4px 4px 4px rgb(130, 250,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 48.7368, 75.2552, 39.9740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 250, 148) }
```

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

```
.background{ background-color: rgb(130,  
250, 148) }
```

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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