

Converting Colors

XYZ(48.2370, 77.4032, 37.3057)

Have a look what the booklet for
XYZ(48.2370, 77.4032, 37.3057)
contains.

XYZ(48.2394, 77.4065, 37.2094)	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(48.2394, 77.4065,
37.2094)**

Conversions

Conversions Part 1

Format	Color
Hex	78FF8C
RGB	120, 255, 140
RGB Percent	47%, 100%, 55%
CMY	0.5294, 0.0000, 0.4510
CMYK	0.53, 0.00, 0.45, 0.00
HSL	129°, 100%, 74%
HSV	129°, 53%, 100%
XYZ	48.2394, 77.4065, 37.2094
YIQ	201.5250, -43.5450, -64.3850

Conversions

Conversions Part 2

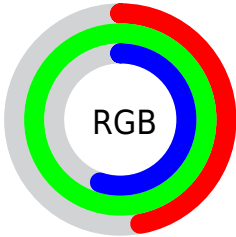
Format	Color
RYB	120, 238, 255
Decimal	7929740
CIELab	90.51, -60.25, 43.81
CIELCh	91, 74.496, 143.982
Yxy	77.4065, 0.2962, 0.4753
Android (android.graphics.Color)	4286119820 (0xFF78FF8C)
YUV	201.5250, -30.3318, -71.4974
Hunter-Lab	87.9810, -56.0963, 36.5114

Details

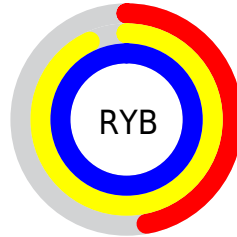
The XYZ color **48.2394, 77.4065, 37.2094** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **62.9519, 40.6915, 83.1327**, and the grayscale version is **56.0454, 58.9641, 64.2119**.

A 20% lighter version of the original color is **64.4327, 85.1634, 64.6720**, and **23.1959, 41.3940, 15.9998** is the 20% darker color. If you saturate the color by 10%, you get **43.7145, 75.2410, 29.4463**, and if you desaturate by 10%, it is **54.0229, 80.1843, 46.6842**.

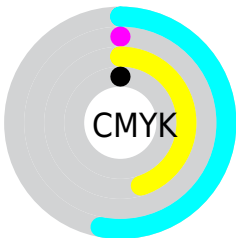
Distribution



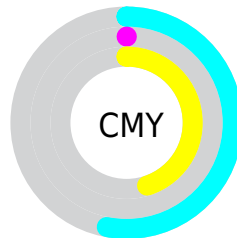
- Red (47%)
- Green (100%)
- Blue (55%)



- Red (47%)
- Yellow (93%)
- Blue (100%)



- Cyan (53%)
- Magenta (0%)
- Yellow (45%)
- Black (0%)





- Cyan (53%)
- Magenta (0%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.2394, 77.4065, 37.2094 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 48.2394, 77.4065, 37.2094 by changing the saturation by 10% instead.


 48.2394, 77.4065,
37.2094


 48.2394, 77.4065,
37.2094


370.3071,
486.1489, 349.4122


 34.2286, 57.5866,
25.0726


 86.7683, 129.7131,
72.0846

 23.2330, 41.4764,
15.9116


 112.0170,
162.9686, 95.6602

 14.8873, 28.6915,
9.3080


 141.7424,
201.4714, 123.8857

 8.8261, 18.8476,
4.8431

176.3099,
245.6059, 157.1798

 4.6841, 11.5602,
2.0983

216.0847,
295.7565, 195.9609

 2.0960, 6.4450,
0.6148

261.4323,

 0.6870, 3.1175,

352.3076, 240.6477

0.0000

312.7180,
415.6436, 291.6586

0.0000, 1.1934,
0.0000

0.0000, 0.0563,
0.0000

48.2394, 77.4065,
37.2094

48.2394, 77.4065,
37.2094

43.7145, 75.2410,
29.4463

54.0229, 80.1843,
46.6842

40.3515, 73.6401,
23.2890

61.1489, 83.6157,
57.9606

38.0419, 72.5503,
18.6260

69.6956, 87.7391,
71.1266

36.6548, 71.9067,
15.3296

79.7349, 92.5899,
86.2633

■ 36.1063, 71.6585,
13.7437

■ 91.3336, 98.2009,
103.4471

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



59.9544, 77.4065, 21.0088



48.2394, 77.4065, 37.2094



43.3928, 77.4065, 73.9789

Triad

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



48.2394, 77.4065, 37.2094



69.8809, 77.4065, 232.9802



111.3882, 77.4065, 49.0882

Complementary

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



48.2394, 77.4065, 37.2094



62.9519, 40.6915, 83.1327

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.



115.2483, 77.4065, 95.5010



48.2394, 77.4065, 37.2094



89.1109, 77.4065, 217.0316

Square

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



48.2394, 77.4065, 37.2094



54.4570, 77.4065, 197.4475



106.5100, 77.4065, 160.1340



96.7075, 77.4065, 25.5628

Rectangle

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



48.2394, 77.4065, 37.2094



44.0031, 77.4065, 111.5741



106.5100, 77.4065, 160.1340



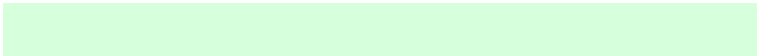
114.0872, 77.4065, 61.8492

Sweetspot

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



48.2398, 77.4067, 37.2106



76.5007, 91.0265, 81.4182



74.0754, 90.8807, 31.4074



15.9259, 19.2668, 16.7519



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.



48.2398, 77.4067, 37.2106



43.3049, 75.0455, 28.7196



54.5860, 79.9452, 70.6290



17.8812, 20.2120, 19.6774



18.8990, 37.4562, 7.3535



1.8711, 3.6594, 0.8789

Inverse Universe

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



62.9519, 40.6915, 83.1327



59.4483, 34.6391, 79.0211



55.1653, 37.5768, 42.1288



18.6702, 18.2514, 22.1461



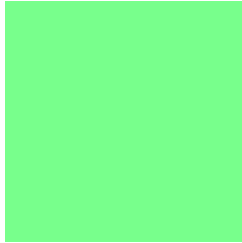
28.1520, 13.7501, 35.7805



2.7712, 1.3508, 3.6424

Previews

White Background



This preview shows how the XYZ color 48.2394, 77.4065, 37.2094 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 48.2394, 77.4065, 37.2094 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 48.2394, 77.4065, 37.2094

Background



This preview shows how black text looks on a background with the XYZ color 48.2394, 77.4065, 37.2094.



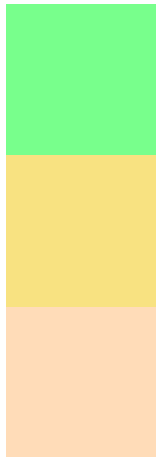
This preview shows how white text looks on a background with the XYZ color 48.2394, 77.4065,

37.2094.

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

48.2394, 77.4065, 37.2094

Protanopia

69.8702, 75.9342, 31.7431

Deuteranopia

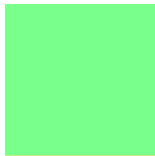
75.4849, 75.9071, 56.0204



Tritanopia

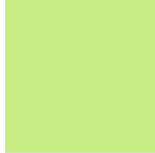
64.6424, 77.0600, 106.0748

Trichromacy



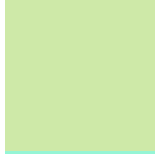
Original Color

48.2394, 77.4065, 37.2094



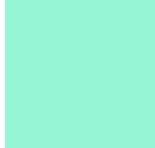
Protanomaly

58.6052, 74.6793, 33.5160



Deuteranomaly

61.6604, 74.2268, 48.1231



Tritanomaly

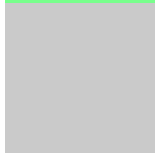
57.0571, 76.4985, 74.7092

Monochromacy



Original Color

48.2394, 77.4065, 37.2094



Achromatopsia

56.1383, 59.0619, 64.3184



Achromatomaly

51.0064, 63.7382, 52.2622

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.2394, 77.4065, 37.2094 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(120, 255, 140)` looks like.

```
.text, #text, p{  
    color:rgb(120, 255, 140)  
}
```

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(120, 255, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 255, 140) }
```

Border

The CSS property to change the border of an element to XYZ 48.2394, 77.4065, 37.2094 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(120, 255, 140) }
```


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

```
.border{ border-color:rgb(120, 255, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 255, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 255, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 255, 140);  
box-shadow:4px 4px 4px 4px rgb(120, 255,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 48.2394, 77.4065, 37.2094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 255, 140) }
```

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

```
.background{ background-color: rgb(120,  
255, 140) }
```

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