

Converting Colors

XYZ(50.2980, 75.4636, 11.9150)

Have a look what the booklet for
XYZ(50.2980, 75.4636, 11.9150)
contains.

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Color

**XYZ(50.2740, 75.2922,
11.8831)**

Conversions

Conversions Part 1

Format	Color
Hex	ACF700
RGB	172, 247, 0
RGB Percent	67%, 97%, 0%
CMY	0.3255, 0.0314, 0.9999
CMYK	0.30, 0.00, 1.00, 0.03
HSL	78°, 100%, 48%
HSV	78°, 100%, 97%
XYZ	50.2740, 75.2922, 11.8831
YIQ	196.4170, 34.5870, -92.7170

Conversions

Conversions Part 2

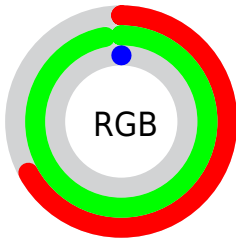
Format	Color
RYB	0, 247, 75
Decimal	11335424
CIELab	89.53, -50.51, 86.37
CIELCh	90, 100.054, 120.317
Yxy	75.2922, 0.3658, 0.5478
Android (android.graphics.Color)	4289525504 (0xFFACF700)
YUV	196.4170, -96.8336, -21.4137
Hunter-Lab	86.7711, -48.4289, 52.6201

Details

The XYZ color **50.2740, 75.2922, 11.8831** is a dark color, and the websafe version is hex **99FF00**. The color can be described as middle saturated chartreuse. A complement of this color would be **19.6947, 8.2141, 88.5476**, and the grayscale version is **53.2739, 56.0482, 61.0365**.

A 20% lighter version of the original color is **71.2960, 89.6163, 23.6652**, and **25.0955, 40.2717, 6.4505** is the 20% darker color. If you saturate the color by 10%, you get **50.2731, 75.2942, 11.8836**, and if you desaturate by 10%, it is **52.1415, 76.2374, 12.8720**.

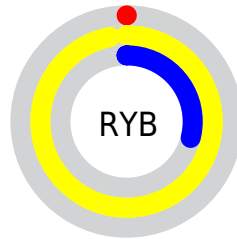
Distribution



Red (67%)

Green (97%)

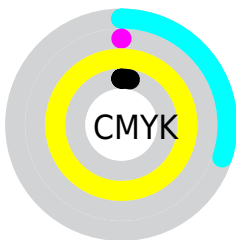
Blue (0%)



Red (0%)

Yellow (97%)

Blue (29%)

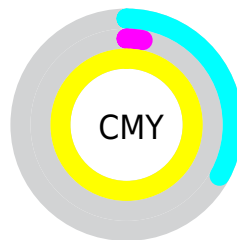


Cyan (30%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (33%)


Magenta (3%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2740, 75.2922, 11.8831 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 50.2740, 75.2922, 11.8831 by changing the saturation by 10% instead.


 50.2740, 75.2922,
11.8831

 50.2740, 75.2922,
11.8831


378.1708,
478.9213, 214.5802

 35.8498, 55.8523,
6.5426


 89.7701, 126.7259,
29.9432


 24.4878, 40.0845,
3.1036


 115.5728,
159.4885, 43.4999


 15.8226, 27.6044,
1.1478


 145.8990,
197.4608, 60.6323

 9.4887, 18.0277,
0.0000

 181.1141,
241.0271, 81.7591

 5.1210, 10.9699,
0.0000

 221.5835,
290.5720, 107.2987

 2.3539, 6.0466,
0.0000

 267.6725,

 0.8220, 2.8734,

346.4797, 137.6698

0.0000

319.7465,
409.1347, 173.2907

■ 0.0000, 1.0660,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 50.2740, 75.2922,
11.8831

■ 50.2740, 75.2922,
11.8831

■ 50.2731, 75.2942,
11.8836

■ 52.1415, 76.2374,
12.8720

■ 54.3203, 77.3155,
15.0147

■ 56.8809, 78.5573,
18.6680

■ 59.8656, 79.9800,
24.0463

■ 63.3098, 81.5980,
31.3294

■ 67.2448, 83.4238,
40.6746

■ 71.6986, 85.4688,
52.2228

■ 76.6969, 87.7435,
66.1026

■ 82.2636, 90.2575,
82.4327

Harmonies

Analogous

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



71.3017, 75.2922, 7.4756



50.2740, 75.2922, 11.8831



37.8769, 75.2922, 31.5899

Triad

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



50.2740, 75.2922, 11.8831



50.6329, 75.2922, 264.5514



129.9342, 75.2922, 81.2336

Complementary

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



50.2740, 75.2922, 11.8831



19.6947, 8.2141, 88.5476

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.



120.9293, 75.2922, 168.8454



50.2740, 75.2922, 11.8831



71.8249, 75.2922, 305.2233

Square

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



50.2740, 75.2922, 11.8831



38.0483, 75.2922, 170.9544



98.1456, 75.2922, 262.9190



120.5586, 75.2922, 30.9079

Rectangle

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



50.2740, 75.2922, 11.8831



34.3763, 75.2922, 61.2725



98.1456, 75.2922, 262.9190



128.9366, 75.2922, 106.8959

Sweetspot

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



50.2757, 75.2955, 11.8847



77.0491, 91.8712, 56.0552



40.8172, 24.6897, 2.6153



16.0442, 19.4593, 10.8135



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.



50.2757, 75.2955, 11.8847



54.0181, 80.9324, 12.7745



34.5501, 67.1887, 11.1488



17.3962, 19.0463, 17.5570



26.7375, 39.8965, 6.2916



2.4540, 3.5602, 0.5578

Inverse Universe

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



19.6947, 8.2141, 88.5476



21.1466, 8.8164, 95.1949



39.9762, 18.6696, 89.4967



16.0544, 16.1707, 20.8177



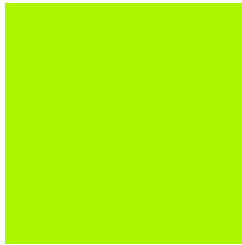
10.5398, 4.4078, 46.8333



1.0263, 0.4389, 4.1209

Previews

White Background



This preview shows how the XYZ color 50.2740, 75.2922, 11.8831 looks on a white background.

Color Contrast Check

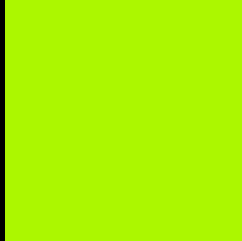
Large Text (above 18pt) WCAG AA × Fail

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 50.2740, 75.2922, 11.8831 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 50.2740, 75.2922, 11.8831

Background



This preview shows how black text looks on a background with the XYZ color 50.2740, 75.2922, 11.8831.



This preview shows how white text looks on a background with the XYZ color 50.2740, 75.2922,

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

50.2740, 75.2922, 11.8831

Protanopia

67.4332, 74.7331, 10.8708

Deuteranopia

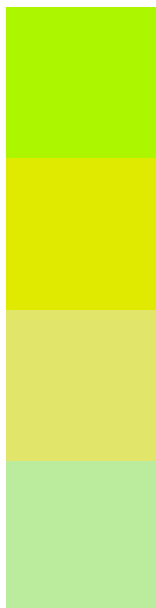
73.1943, 74.1560, 46.5322



Tritanopia

68.0050, 75.1067, 99.7197

Trichromacy



Original Color

50.2740, 75.2922, 11.8831

Protanomaly

59.8794, 74.1251, 11.1516

Deuteranomaly

61.6722, 73.0868, 24.4924

Tritanomaly

56.6605, 73.0243, 43.4565

Monochromacy



Original Color

50.2740, 75.2922, 11.8831

Achromatopsia

52.4687, 55.2011, 60.1140

Achromatomaly

48.4956, 60.6463, 28.5520

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2740, 75.2922, 11.8831 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(172, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(172, 247, 0)  
}
```

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(172, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 50.2740, 75.2922, 11.8831 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(172, 247, 0) }
```


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

```
.border{ border-color:rgb(172, 247, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(172, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2740, 75.2922, 11.8831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 247, 0) }
```

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

```
.background{ background-color: rgb(172,  
247, 0) }
```

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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