

Converting Colors

XYZ(45.6872, 74.3005, 11.9335)

Have a look what the booklet for
XYZ(45.6872, 74.3005, 11.9335)
contains.

XYZ(45.6872, 74.3005, 11.9335)	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(45.6872, 74.3005,
11.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	90FA00
RGB	144, 250, 0
RGB Percent	56%, 98%, 0%
CMY	0.4353, 0.0196, 0.9998
CMYK	0.42, 0.00, 1.00, 0.02
HSL	85°, 100%, 49%
HSV	85°, 100%, 98%
XYZ	45.6872, 74.3005, 11.9335
YIQ	189.8060, 17.0740, -100.2220

Conversions

Conversions Part 2

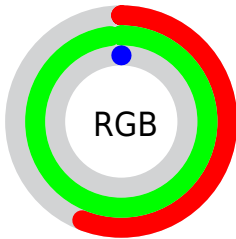
Format	Color
RYB	0, 250, 106
Decimal	9501184
CIELab	89.06, -61.19, 85.43
CIELCh	89, 105.087, 125.612
Yxy	74.3005, 0.3463, 0.5632
Android (android.graphics.Color)	4287691264 (0xFF90FA00)
YUV	189.8060, -93.5744, -40.1719
Hunter-Lab	86.1977, -56.2361, 52.1301

Details

The XYZ color **45.6872, 74.3005, 11.9335** 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 **23.2057, 9.9702, 91.1481**, and the grayscale version is **49.3510, 51.9211, 56.5421**.

A 20% lighter version of the original color is **62.8686, 85.2718, 23.2708**, and **22.3782, 39.8454, 6.5115** is the 20% darker color. If you saturate the color by 10%, you get **45.6858, 74.3021, 11.9339**, and if you desaturate by 10%, it is **47.8043, 75.3740, 12.9510**.

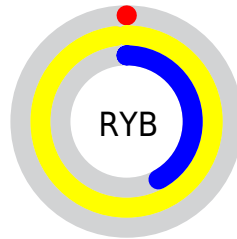
Distribution



Red (56%)

Green (98%)

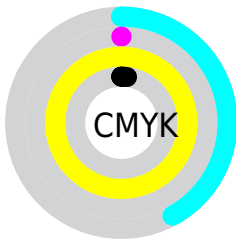
Blue (0%)



Red (0%)

Yellow (98%)

Blue (42%)

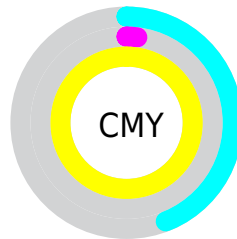


Cyan (42%)

Magenta (0%)

Yellow (100%)

Black (2%)



Cyan (44%)


Magenta (2%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.6872, 74.3005, 11.9335 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 45.6872, 74.3005, 11.9335 by changing the saturation by 10% instead.


 45.6872, 74.3005,
11.9335


 45.6872, 74.3005,
11.9335


360.2867,
475.5098, 214.9268

 32.2026, 55.0400,
6.5764


 82.9814, 125.3217,
30.0365


 21.6726, 39.4338,
3.1242


 107.5218,
157.8512, 43.6195


 13.7318, 27.0973,
1.1584


 136.4781,
195.5725, 60.7816

 8.0148, 17.6463,
0.0000

 170.2157,
238.8700, 81.9413

 4.1563, 10.6964,
0.0000

 209.1001,
288.1281, 107.5171

 1.7909, 5.8631,
0.0000

 253.4964,

 0.5122, 2.7620,

343.7312, 137.9276

0.0000

303.7702,
406.0636, 173.5913

■ 0.0000, 1.0088,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.6872, 74.3005,
11.9335

■ 45.6872, 74.3005,
11.9335

■ 45.6858, 74.3021,
11.9339

■ 47.8043, 75.3740,
12.9510

■ 50.3233, 76.6262,
15.1602

■ 53.3193, 78.0905,
18.9266

■ 56.8385, 79.7856,
24.4715

60.9202, 81.7279,
31.9802

65.5993, 83.9316,
41.6149

70.9070, 86.4098,
53.5210

76.8724, 89.1745,
67.8308

83.5222, 92.2368,
84.6668

Harmonies

Analogous

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



65.9208, 74.3005, 6.1081



45.6872, 74.3005, 11.9335



34.6411, 74.3005, 35.5779

Triad

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



45.6872, 74.3005, 11.9335



52.2036, 74.3005, 288.8225



131.7161, 74.3005, 67.8978

Complementary

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



45.6872, 74.3005, 11.9335



23.2057, 9.9702, 91.1481

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.



125.5260, 74.3005, 154.0756



45.6872, 74.3005, 11.9335



75.5382, 74.3005, 317.4917

Square

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



45.6872, 74.3005, 11.9335



37.7183, 74.3005, 193.7004



103.2899, 74.3005, 257.8381



118.6026, 74.3005, 23.4914

Rectangle

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



45.6872, 74.3005, 11.9335



32.0687, 74.3005, 70.5996



103.2899, 74.3005, 257.8381



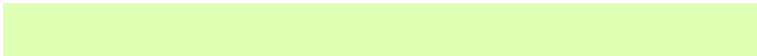
131.8549, 74.3005, 92.1578

Sweetspot

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



45.6889, 74.3037, 11.9351



74.1416, 90.3723, 55.9191



44.3960, 30.2643, 3.5028



15.3505, 19.1017, 10.7810



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.



45.6889, 74.3037, 11.9351



47.7674, 77.7101, 12.4819



34.4939, 68.5325, 11.4112



17.9747, 19.8028, 18.3373



24.4000, 39.4970, 6.3377



2.3810, 3.7205, 0.5926

Inverse Universe

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



23.2057, 9.9702, 91.1481



24.2514, 10.4170, 95.3402



49.6254, 23.5901, 92.3845



16.9808, 17.0027, 21.7722



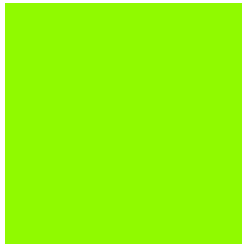
12.4631, 5.3676, 48.3527



1.2725, 0.5581, 4.4838

Previews

White Background



This preview shows how the XYZ color 45.6872, 74.3005, 11.9335 looks on a white background.

Color Contrast Check

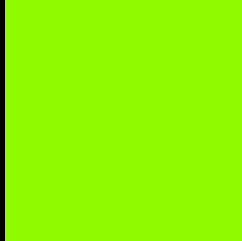
Large Text (above 18pt) WCAG AA × Fail

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 45.6872, 74.3005, 11.9335 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 45.6872, 74.3005, 11.9335

Background



This preview shows how black text looks on a background with the XYZ color 45.6872, 74.3005, 11.9335.



This preview shows how white text looks on a background with the XYZ color 45.6872, 74.3005,

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

45.6872, 74.3005, 11.9335

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

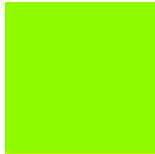
72.1410, 72.9098, 43.5285



Tritanopia

63.5028, 73.5625, 102.1188

Trichromacy



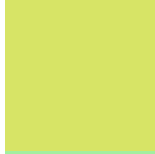
Original Color

45.6872, 74.3005, 11.9335



Protanomaly

56.2903, 72.2749, 10.9836



Deuteranomaly

58.1660, 70.8932, 23.1885



Tritanomaly

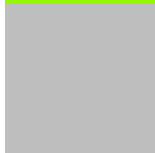
52.1120, 71.9525, 44.3993

Monochromacy



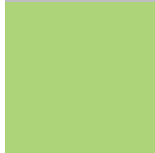
Original Color

45.6872, 74.3005, 11.9335



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.2283, 57.3517, 26.8281

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.6872, 74.3005, 11.9335 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(144, 250, 0)` looks like.

```
.text, #text, p{  
    color:rgb(144, 250, 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(144, 250, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 250, 0) }
```

Border

The CSS property to change the border of an element to XYZ 45.6872, 74.3005, 11.9335 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(144, 250, 0) }
```


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

```
.border{ border-color:rgb(144, 250, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 250, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 250, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 250, 0);  
box-shadow:4px 4px 4px 4px rgb(144, 250,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 45.6872, 74.3005, 11.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 250, 0) }
```

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

```
.background{ background-color: rgb(144,  
250, 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](#).

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