

Converting Colors

XYZ(47.9840, 74.2707, 11.8067)

Have a look what the booklet for
XYZ(47.9840, 74.2707, 11.8067)
contains.

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Color

**XYZ(47.9587, 74.0986,
11.7748)**

Conversions

Conversions Part 1

Format	Color
Hex	A1F700
RGB	161, 247, 0
RGB Percent	63%, 97%, 0%
CMY	0.3686, 0.0314, 0.9999
CMYK	0.35, 0.00, 1.00, 0.03
HSL	81°, 100%, 48%
HSV	81°, 100%, 97%
XYZ	47.9587, 74.0986, 11.7748
YIQ	193.1280, 28.0310, -95.0490

Conversions

Conversions Part 2

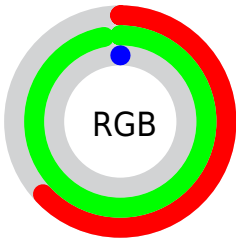
Format	Color
RYB	0, 247, 86
Decimal	10614528
CIELab	88.97, -54.39, 85.70
CIELCh	89, 101.501, 122.405
Yxy	74.0986, 0.3583, 0.5537
Android (android.graphics.Color)	4288804608 (0xFFA1F700)
YUV	193.1280, -95.2121, -28.1763
Hunter-Lab	86.0805, -51.1919, 52.1462

Details

The XYZ color **47.9587, 74.0986, 11.7748** 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 **20.6315, 8.6971, 88.5913**, and the grayscale version is **51.2995, 53.9710, 58.7745**.

A 20% lighter version of the original color is **67.8160, 87.8223, 23.5023**, and **23.6690, 39.5362, 6.3838** is the 20% darker color. If you saturate the color by 10%, you get **47.9575, 74.1004, 11.7752**, and if you desaturate by 10%, it is **49.9265, 75.0955, 12.7685**.

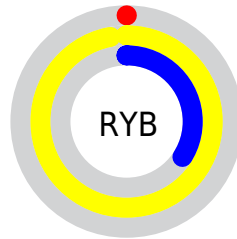
Distribution



Red (63%)

Green (97%)

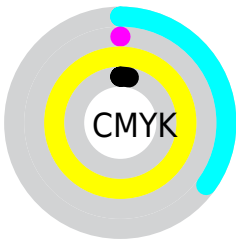
Blue (0%)



Red (0%)

Yellow (97%)

Blue (34%)

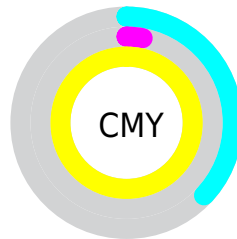


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (3%)



Cyan (37%)

Magenta (3%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9587, 74.0986, 11.7748 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 47.9587, 74.0986, 11.7748 by changing the saturation by 10% instead.


 47.9587, 74.0986,
11.7748


 47.9587, 74.0986,
11.7748


369.2137,
474.8136, 213.8334


 34.0053, 54.8747,
6.4699


 86.3530, 125.0356,
29.7425


 23.0606, 39.3014,
3.0595


 111.5246,
157.5175, 43.2424


 14.7592, 26.9943,
1.1251


 141.1663,
195.1875, 60.3109

 8.7358, 17.5690,
0.0000

 175.6434,
238.4301, 81.3668

 4.6250, 10.6410,
0.0000

 215.3214,
287.6296, 106.8284

 2.0614, 5.8260,
0.0000

 260.5655,

 0.6681, 2.7395,

343.1704, 137.1143

0.0000

311.7412,
405.4370, 172.6431

■ 0.0000, 0.9973,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 47.9587, 74.0986,
11.7748

■ 47.9587, 74.0986,
11.7748

■ 47.9575, 74.1004,
11.7752

■ 49.9265, 75.0955,
12.7685

■ 52.2328, 76.2393,
14.9172

■ 54.9490, 77.5613,
18.5779

■ 58.1179, 79.0790,
23.9649

■ 61.7758, 80.8070,
31.2582

■ 65.9546, 82.7585,
40.6149

■ 70.6832, 84.9452,
52.1762

■ 75.9879, 87.3778,
66.0705

■ 81.8931, 90.0664,
82.4166

Harmonies

Analogous

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



68.4580, 74.0986, 6.8566



47.9587, 74.0986, 11.7748



36.2197, 74.0986, 32.7217

Triad

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



47.9587, 74.0986, 11.7748



50.6751, 74.0986, 270.6894



129.1932, 74.0986, 75.1170

Complementary

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



47.9587, 74.0986, 11.7748



20.6315, 8.6971, 88.5913

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.



121.3407, 74.0986, 161.3110



47.9587, 74.0986, 11.7748



72.4364, 74.0986, 306.5010

Square

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



47.9587, 74.0986, 11.7748



37.5116, 74.0986, 177.4830



99.0059, 74.0986, 258.1218



118.5043, 74.0986, 27.6077

Rectangle

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



47.9587, 74.0986, 11.7748



33.1186, 74.0986, 64.0366



99.0059, 74.0986, 258.1218



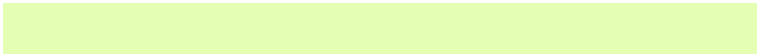
128.6334, 74.0986, 99.9847

Sweetspot

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



47.9604, 74.1019, 11.7764



75.9551, 91.3072, 56.0040



41.4044, 25.8643, 2.8111



15.7825, 19.3244, 10.8012



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.



47.9604, 74.1019, 11.7764



51.5272, 79.6483, 12.6579



34.1850, 67.0004, 11.1317



17.3218, 19.0080, 17.5535



25.5211, 39.2694, 6.2347



2.3537, 3.5084, 0.5531

Inverse Universe

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



20.6315, 8.6971, 88.5913



22.1510, 9.3341, 95.2419



42.2001, 19.8161, 89.6007



16.1254, 16.2073, 20.8210



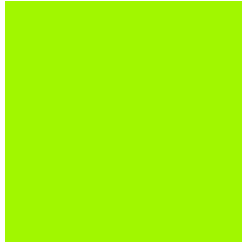
11.0474, 4.6695, 46.8571



1.0776, 0.4654, 4.1233

Previews

White Background



This preview shows how the XYZ color 47.9587, 74.0986, 11.7748 looks on a white background.

Color Contrast Check

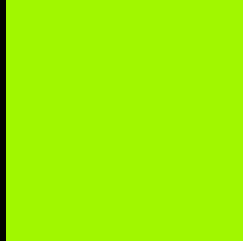
Large Text (above 18pt) WCAG AA × Fail

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 47.9587, 74.0986, 11.7748 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 47.9587, 74.0986, 11.7748

Background



This preview shows how black text looks on a background with the XYZ color 47.9587, 74.0986, 11.7748.



This preview shows how white text looks on a background with the XYZ color 47.9587, 74.0986, 11.7748.

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

47.9587, 74.0986, 11.7748

Protanopia

66.1713, 73.2846, 10.6577

Deuteranopia

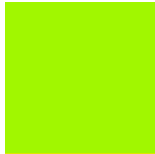
72.1410, 72.9098, 43.5285



Tritanopia

65.7336, 73.9357, 99.6134

Trichromacy



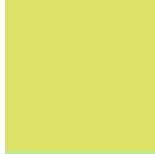
Original Color

47.9587, 74.0986, 11.7748



Protanomaly

57.7701, 72.6187, 10.9720



Deuteranomaly

59.6862, 71.2696, 23.1810



Tritanomaly

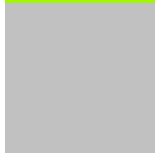
54.5271, 71.9245, 43.3567

Monochromacy



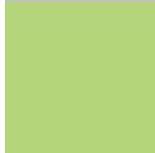
Original Color

47.9587, 74.0986, 11.7748



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.4255, 58.8423, 27.6497

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9587, 74.0986, 11.7748 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(161, 247, 0)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 247, 0) }
```

Border

The CSS property to change the border of an element to XYZ 47.9587, 74.0986, 11.7748 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(161, 247, 0) }
```


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

```
.border{ border-color:rgb(161, 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(161, 247, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(161, 247,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9587, 74.0986, 11.7748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 247, 0) }
```

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

```
.background{ background-color: rgb(161,  
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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