

Converting Colors

XYZ(47.9509, 71.7387, 16.1733)

Have a look what the booklet for
XYZ(47.9509, 71.7387, 16.1733)
contains.

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Color

**XYZ(47.9874, 71.7669,
16.1737)**

Conversions

Conversions Part 1

Format	Color
Hex	A4F240
RGB	164, 242, 64
RGB Percent	64%, 95%, 25%
CMY	0.3569, 0.0510, 0.7490
CMYK	0.32, 0.00, 0.74, 0.05
HSL	86°, 87%, 60%
HSV	86°, 74%, 95%
XYZ	47.9874, 71.7669, 16.1737
YIQ	198.3860, 10.6500, -71.8940

Conversions

Conversions Part 2

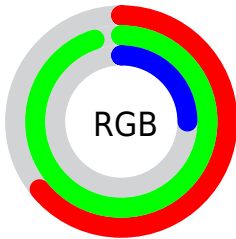
Format	Color
RYB	64, 242, 142
Decimal	10809920
CIELab	87.86, -49.52, 73.14
CIELCh	88, 88.328, 124.099
Yxy	71.7669, 0.3530, 0.5280
Android (android.graphics.Color)	4289000000 (0xFFA4F240)
YUV	198.3860, -66.2523, -30.1565
Hunter-Lab	84.7153, -47.1397, 47.9812

Details

The XYZ color **47.9874, 71.7669, 16.1737** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **29.0190, 15.8306, 85.5346**, and the grayscale version is **54.2999, 57.1278, 62.2121**.

A 20% lighter version of the original color is **69.7666, 88.6380, 32.1707**, and **23.1747, 37.7012, 6.0556** is the 20% darker color. If you saturate the color by 10%, you get **45.3448, 70.4699, 13.2024**, and if you desaturate by 10%, it is **51.1145, 73.2837, 20.7288**.

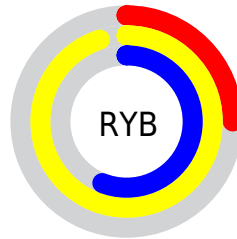
Distribution



Red (64%)

Green (95%)

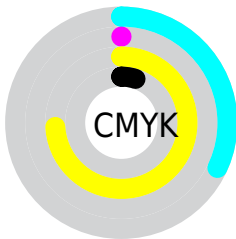
Blue (25%)



Red (25%)

Yellow (95%)

Blue (56%)

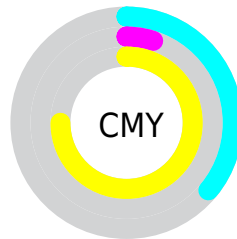


Cyan (32%)

Magenta (0%)

Yellow (74%)

Black (5%)



Cyan (36%)


Magenta (5%)


Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.9874, 71.7669, 16.1737 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 47.9874, 71.7669, 16.1737 by changing the saturation by 10% instead.


 47.9874, 71.7669,
16.1737


 47.9874, 71.7669,
16.1737


369.3256,
466.7299, 242.2451


 34.0281, 52.9683,
9.4915


 86.3955, 121.7251,
37.6705


 23.0782, 37.7775,
4.9619


 111.5749,
153.6534, 53.3221


 14.7723, 25.8100,
2.1666


 141.2252,
190.7271, 72.8006

 8.7450, 16.6816,
0.6550

 175.7116,
233.3306, 96.5245

 4.6310, 10.0077,
0.0000

 215.3995,
281.8482, 124.9124

 2.0649, 5.4041,
0.0000

260.6542,

 0.6700, 2.4862,

336.6643, 158.3827

0.0000

311.8411,
398.1634, 197.3541

0.0000, 0.8697,
0.0000

0.0000, 0.0000,
0.0000

47.9874, 71.7669,
16.1737

47.9874, 71.7669,
16.1737

45.3448, 70.4699,
13.2024

51.1145, 73.2837,
20.7288

43.1354, 69.3643,
11.5901

54.7596, 75.0268,
27.0441

41.8988, 68.7373,
11.0593

58.9582, 77.0134,
35.2776

63.7408, 79.2561,
45.5685

69.1351, 81.7664,
58.0429

75.1669, 84.5552,
72.8171

81.8605, 87.6325,
89.9989

88.8151, 90.8384,
107.4603

91.0437, 91.9873,
107.5646

Harmonies

Analogous

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



65.3667, 71.7669, 10.2429



47.9874, 71.7669, 16.1737



37.9561, 71.7669, 37.7316

Triad

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



47.9874, 71.7669, 16.1737



52.0512, 71.7669, 235.1494



116.9328, 71.7669, 70.1643

Complementary

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



47.9874, 71.7669, 16.1737



29.0190, 15.8306, 85.5346

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.



111.3621, 71.7669, 140.3208



47.9874, 71.7669, 16.1737



71.1393, 71.7669, 259.5425

Square

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



47.9874, 71.7669, 16.1737



39.9423, 71.7669, 162.5524



93.4452, 71.7669, 218.3380



107.4082, 71.7669, 29.5881

Rectangle

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



47.9874, 71.7669, 16.1737



35.4158, 71.7669, 66.8459



93.4452, 71.7669, 218.3380



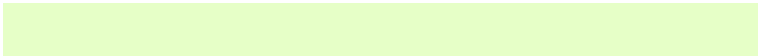
116.7743, 71.7669, 90.6439

Sweetspot

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



47.9891, 71.7700, 16.1753



78.8236, 92.5306, 67.6777



47.0908, 38.3393, 9.7698



16.4967, 19.6316, 13.5920



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.



47.9891, 71.7700, 16.1753



49.8404, 78.7507, 13.8424



35.6497, 65.4089, 15.5978



16.4155, 18.0943, 16.7771



22.6671, 37.0069, 5.9484



1.9997, 3.1374, 0.5002

Inverse Universe

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



29.0190, 15.8306, 85.5346



27.5738, 12.8417, 95.6331



50.5392, 26.9246, 86.5417



15.5546, 15.5676, 19.9066



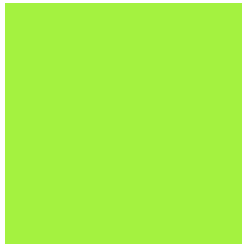
11.9571, 5.1695, 45.4955



1.1070, 0.4879, 3.7901

Previews

White Background



This preview shows how the XYZ color 47.9874, 71.7669, 16.1737 looks on a white background.

Color Contrast Check

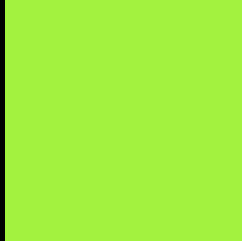
Large Text (above 18pt) WCAG AA × Fail

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 47.9874, 71.7669, 16.1737 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 47.9874, 71.7669, 16.1737

Background



This preview shows how black text looks on a background with the XYZ color 47.9874, 71.7669, 16.1737.

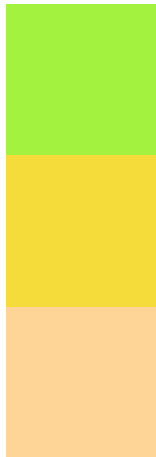


This preview shows how white text looks on a background with the XYZ color 47.9874, 71.7669,

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

47.9874, 71.7669, 16.1737

Protanopia

64.3630, 71.0847, 14.3314

Deuteranopia

70.3694, 70.5813, 39.1928



Tritanopia

64.0190, 71.4892, 96.0126

Trichromacy



Original Color

47.9874, 71.7669, 16.1737

Protanomaly

56.8779, 70.4120, 14.8681

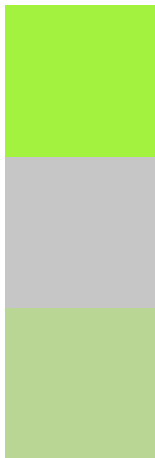
Deuteranomaly

59.8417, 69.6369, 27.7400

Tritanomaly

55.5837, 70.5516, 53.3361

Monochromacy



Original Color

47.9874, 71.7669, 16.1737

Achromatopsia

53.6758, 56.4712, 61.4971

Achromatomaly

49.7211, 60.7022, 37.5299

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.9874, 71.7669, 16.1737 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(164, 242, 64)` looks like.

```
.text, #text, p{  
    color:rgb(164, 242, 64)  
}
```

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(164, 242, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 242, 64) }
```

Border

The CSS property to change the border of an element to XYZ 47.9874, 71.7669, 16.1737 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(164, 242, 64) }
```


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

```
.border{ border-color:rgb(164, 242, 64) }
```

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

Here you see how a box with a 4 pixel rgb(164, 242, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 242, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 242, 64);  
box-shadow:4px 4px 4px 4px rgb(164, 242,  
64) }
```

Background

The CSS property to change the background color of an element to XYZ 47.9874, 71.7669, 16.1737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 242, 64) }
```

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

```
.background{ background-color: rgb(164,  
242, 64) }
```

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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