

Converting Colors

XYZ(42.5036, 66.9322, 10.6790)

Have a look what the booklet for
XYZ(42.5036, 66.9322, 10.6790)
contains.

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Color

**XYZ(42.4969, 66.8643,
10.6663)**

Conversions

Conversions Part 1

Format	Color
Hex	94ED00
RGB	148, 237, 0
RGB Percent	58%, 93%, 0%
CMY	0.4196, 0.0706, 0.9999
CMYK	0.38, 0.00, 1.00, 0.07
HSL	83°, 100%, 46%
HSV	83°, 100%, 93%
XYZ	42.4969, 66.8643, 10.6663
YIQ	183.3710, 23.0330, -92.5750

Conversions

Conversions Part 2

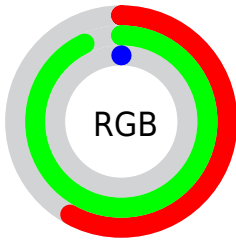
Format	Color
RYB	0, 237, 89
Decimal	9760000
CIELab	85.44, -54.89, 82.69
CIELCh	85, 99.250, 123.574
Yxy	66.8643, 0.3541, 0.5571
Android (android.graphics.Color)	4287950080 (0xFF94ED00)
YUV	183.3710, -90.4019, -31.0204
Hunter-Lab	81.7706, -50.3305, 49.5055

Details

The XYZ color **42.4969, 66.8643, 10.6663** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **19.4109, 8.2413, 80.6923**, and the grayscale version is **45.6901, 48.0695, 52.3477**.

A 20% lighter version of the original color is **63.6179, 85.6681, 22.8554**, and **20.2517, 34.6688, 5.6244** is the 20% darker color. If you saturate the color by 10%, you get **42.4959, 66.8659, 10.6667**, and if you desaturate by 10%, it is **44.3331, 67.7943, 11.5988**.

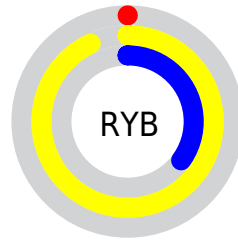
Distribution



Red (58%)

Green (93%)

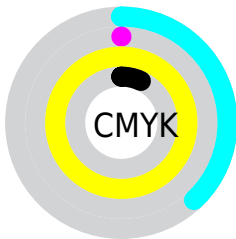
Blue (0%)



Red (0%)

Yellow (93%)

Blue (35%)

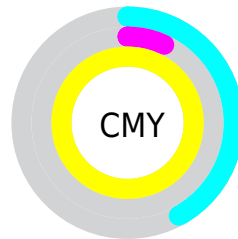


Cyan (38%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (42%)


Magenta (7%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.4969, 66.8643, 10.6663 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 42.4969, 66.8643, 10.6663 by changing the saturation by 10% instead.


 42.4969, 66.8643,
10.6663

 42.4969, 66.8643,
10.6663


347.4953,
449.4616, 206.0182


 29.6834, 48.9744,
5.7316


 78.2116, 114.7259,
27.6686

 19.7453, 34.5991,
2.6164

 101.8434,
145.4664, 40.5732


 12.3172, 23.3543,
0.9009

 129.8121,
181.2592, 56.9716

 7.0338, 14.8553,
0.0000

 162.4830,
222.4887, 77.2822

 3.5298, 8.7179,
0.0000

 200.2214,
269.5393, 101.9237

 1.4397, 4.5576,
0.0000

 243.3927,

 0.2843, 1.9901,

322.7954, 131.3145

0.0000

292.3622,
382.6414, 165.8731

■ 0.0000, 0.6017,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.4969, 66.8643,
10.6663

■ 42.4969, 66.8643,
10.6663

■ 42.4959, 66.8659,
10.6667

■ 44.3331, 67.7943,
11.5988

■ 46.4922, 68.8658,
13.5776

■ 49.0404, 70.1078,
16.9316

■ 52.0168, 71.5364,
21.8538

■ 55.4549, 73.1651,
28.5068

■ 59.3839, 75.0059,
37.0324

■ 63.8303, 77.0697,
47.5582

■ 68.8183, 79.3666,
60.2004

■ 74.3707, 81.9056,
75.0661

Harmonies

Analogous

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



60.8922, 66.8643, 5.9350



42.4969, 66.8643, 10.6663



32.1399, 66.8643, 30.4008

Triad

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



42.4969, 66.8643, 10.6663



46.1719, 66.8643, 249.7691



117.2734, 66.8643, 65.3463

Complementary

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



42.4969, 66.8643, 10.6663



19.4109, 8.2413, 80.6923

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.



110.7227, 66.8643, 143.0702



42.4969, 66.8643, 10.6663



66.2892, 66.8643, 279.8102

Square

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



42.4969, 66.8643, 10.6663



33.8833, 66.8643, 165.1140



90.6175, 66.8643, 232.5999



106.8616, 66.8643, 23.5194

Rectangle

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



42.4969, 66.8643, 10.6663



29.5168, 66.8643, 59.7948



90.6175, 66.8643, 232.5999



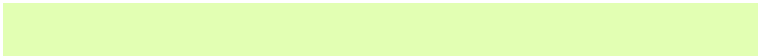
116.9913, 66.8643, 87.5749

Sweetspot

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



42.4984, 66.8672, 10.6677



75.2939, 90.9664, 55.9730



38.3290, 24.8095, 2.7695



15.6247, 19.2430, 10.7938



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.



42.4984, 66.8672, 10.6677



50.1022, 78.9137, 12.5912



30.8701, 60.8726, 10.1236



15.7720, 17.3280, 16.0321



23.3502, 36.5820, 5.8303



1.9396, 2.9272, 0.4628

Inverse Universe

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



19.4109, 8.2413, 80.6923



22.8505, 9.6948, 95.2747



40.5770, 19.1528, 81.6829



14.7658, 14.8245, 19.0054



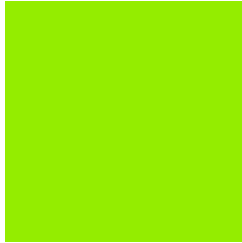
10.7297, 4.5673, 44.0590



0.9461, 0.4120, 3.4645

Previews

White Background



This preview shows how the XYZ color 42.4969, 66.8643, 10.6663 looks on a white background.

Color Contrast Check

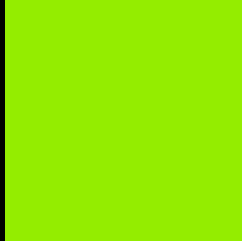
Large Text (above 18pt) WCAG AA × Fail

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 42.4969, 66.8643, 10.6663 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 42.4969, 66.8643, 10.6663

Background



This preview shows how black text looks on a background with the XYZ color 42.4969, 66.8643, 10.6663.



This preview shows how white text looks on a background with the XYZ color 42.4969, 66.8643,

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

42.4969, 66.8643, 10.6663

Protanopia

59.7294, 66.1138, 9.6132

Deuteranopia

66.1029, 65.7537, 26.3473



Tritanopia

58.4814, 66.3581, 90.6150

Trichromacy



Original Color

42.4969, 66.8643, 10.6663

Protanomaly

51.8534, 65.5080, 9.9113

Deuteranomaly

54.1448, 64.2187, 16.1983

Tritanomaly

48.2993, 64.6264, 39.2067

Monochromacy



Original Color

42.4969, 66.8643, 10.6663

Achromatopsia

45.0092, 47.3531, 51.5676

Achromatomaly

41.0859, 52.5189, 24.4947

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.4969, 66.8643, 10.6663 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(148, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 237, 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(148, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 237, 0) }
```

Border

The CSS property to change the border of an element to XYZ 42.4969, 66.8643, 10.6663 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(148, 237, 0) }
```


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

```
.border{ border-color:rgb(148, 237, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(148, 237, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 237,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 42.4969, 66.8643, 10.6663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 237, 0) }
```

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

```
.background{ background-color: rgb(148,  
237, 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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