

Converting Colors

XYZ(33.3962, 49.2706, 7.7500)

Have a look what the booklet for
XYZ(33.3962, 49.2706, 7.7500)
contains.

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Color

**XYZ(33.4469, 49.2967,
7.7524)**

Conversions

Conversions Part 1

Format	Color
Hex	92CC00
RGB	146, 204, 0
RGB Percent	57%, 80%, 0%
CMY	0.4275, 0.2000, 0.9999
CMYK	0.28, 0.00, 1.00, 0.20
HSL	77°, 100%, 40%
HSV	77°, 100%, 80%
XYZ	33.4469, 49.2967, 7.7524
YIQ	163.4020, 30.9160, -75.7400

Conversions

Conversions Part 2

Format	Color
RYB	0, 204, 58
Decimal	9620480
CIELab	75.64, -41.98, 75.10
CIELCh	76, 86.035, 119.205
Yxy	49.2967, 0.3696, 0.5447
Android (android.graphics.Color)	4287810560 (0xFF92CC00)
YUV	163.4020, -80.5572, -15.2616
Hunter-Lab	70.2116, -37.8378, 42.6016

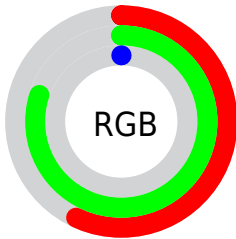
Details

The XYZ color **33.4469, 49.2967, 7.7524** is a dark color, and the websafe version is hex **99CC00**.

The color can be described as dark washed chartreuse. A complement of this color would be **12.6466, 5.2608, 57.4785**, and the grayscale version is **35.3648, 37.2065, 40.5179**.

A 20% lighter version of the original color is **62.4982, 85.1237, 21.3201**, and **14.7719, 23.5696, 3.7708** is the 20% darker color. If you saturate the color by 10%, you get **33.4466, 49.2982, 7.7527**, and if you desaturate by 10%, it is **34.6356, 49.8961, 8.4873**.

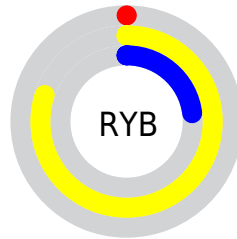
Distribution



Red (57%)

Green (80%)

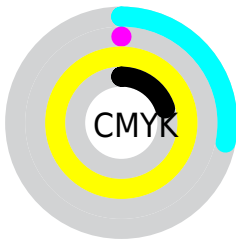
Blue (0%)



Red (0%)

Yellow (80%)

Blue (23%)

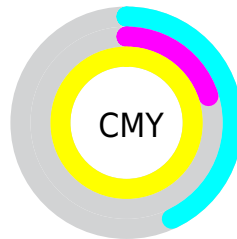


Cyan (28%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (43%)


Magenta (20%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.4469, 49.2967, 7.7524 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 33.4469, 49.2967, 7.7524 by changing the saturation by 10% instead.


 33.4469, 49.2967,
7.7524


 33.4469, 49.2967,
7.7524


309.2882,
383.9092, 183.6383


 22.6299, 34.8549,
3.8514


 64.4226, 89.1320,
22.0097

 14.4396, 23.5511,
1.5442


 85.3121, 115.2942,
33.2031


 8.5108, 15.0010,
0.2505


 110.2897,
146.1321, 47.6644

 4.4780, 8.8201,
0.0000

 139.7209,
182.0299, 65.8122

 1.9760, 4.6240,
0.0000

 173.9710,
223.3722, 88.0649

 0.6204, 2.0284,
0.0000

 213.4053,

 0.0000, 0.6239,

270.5432, 114.8411

0.0000

258.3893,
323.9274, 146.5594

■ 0.0000, 0.0000,
0.0000

■ 33.4469, 49.2967,
7.7524

■ 33.4469, 49.2967,
7.7524

■ 33.4466, 49.2982,
7.7527

■ 34.6356, 49.8961,
8.4873

■ 36.0135, 50.5756,
9.9459

■ 37.6293, 51.3564,
12.3764

■ 39.5088, 52.2491,
15.9111

■ 41.6740, 53.2623,
20.6616

■ 44.1441, 54.4041,
26.7259

■ 46.9366, 55.6813,
34.1921

■ 50.0673, 57.1004,
43.1404

■ 53.5510, 58.6674,
53.6452

Harmonies

Analogous

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



47.2811, 49.2967, 5.0727



33.4469, 49.2967, 7.7524



25.1682, 49.2967, 20.1352

Triad

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



33.4469, 49.2967, 7.7524



32.8627, 49.2967, 169.7292



84.6224, 49.2967, 54.9015

Complementary

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



33.4469, 49.2967, 7.7524



12.6466, 5.2608, 57.4785

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.



78.3843, 49.2967, 112.2482



33.4469, 49.2967, 7.7524



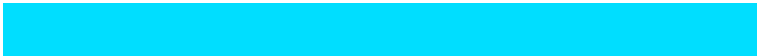
46.4315, 49.2967, 197.7623

Square

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



33.4469, 49.2967, 7.7524



24.8885, 49.2967, 108.8376



63.4389, 49.2967, 172.3636



78.9845, 49.2967, 21.2512

Rectangle

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



33.4469, 49.2967, 7.7524



22.7551, 49.2967, 38.8704



63.4389, 49.2967, 172.3636



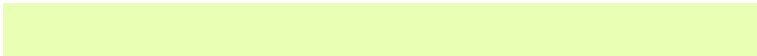
83.8257, 49.2967, 71.8312

Sweetspot

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



33.4480, 49.2989, 7.7535



77.5308, 92.1195, 56.0777



26.4072, 15.8460, 1.6675



16.1597, 19.5188, 10.8189



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.



33.4480, 49.2989, 7.7535



55.1665, 81.5244, 12.8282



22.6423, 43.7283, 7.2478



11.8309, 12.9302, 11.9517



21.1460, 31.0765, 4.8838



1.1631, 1.6404, 0.2553

Inverse Universe

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



12.6466, 5.2608, 57.4785



20.7610, 8.6175, 95.1769



25.3589, 11.8143, 58.0734



10.8964, 10.9959, 14.1185



8.0385, 3.3515, 36.1795



0.4903, 0.2119, 1.8700

Previews

White Background



This preview shows how the XYZ color 33.4469, 49.2967, 7.7524 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 33.4469, 49.2967, 7.7524 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 33.4469, 49.2967, 7.7524

Background



This preview shows how black text looks on a background with the XYZ color 33.4469, 49.2967, 7.7524.



This preview shows how white text looks on a background with the XYZ color 33.4469, 49.2967,

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

33.4469, 49.2967, 7.7524

Protanopia

43.8534, 48.6731, 7.0835

Deuteranopia

49.8069, 48.6830, 8.6054



Tritanopia

44.9500, 49.2340, 64.8916

Trichromacy



Original Color

33.4469, 49.2967, 7.7524

Protanomaly

39.3197, 48.5790, 7.3043

Deuteranomaly

42.0809, 47.7403, 7.8611

Tritanomaly

37.6449, 47.9110, 28.3827

Monochromacy



Original Color

33.4469, 49.2967, 7.7524

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

32.3237, 40.0084, 19.1154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.4469, 49.2967, 7.7524 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(146, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 204, 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(146, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 204, 0) }
```

Border

The CSS property to change the border of an element to XYZ 33.4469, 49.2967, 7.7524 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(146, 204, 0) }
```


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

```
.border{ border-color:rgb(146, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(146, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 204,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 33.4469, 49.2967, 7.7524 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 204, 0) }
```

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

```
.background{ background-color: rgb(146,  
204, 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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