

Converting Colors

XYZ(45.8165, 69.2263, 34.4754)

Have a look what the booklet for
XYZ(45.8165, 69.2263, 34.4754)
contains.

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Color

**XYZ(45.9920, 69.4447,
34.6470)**

Conversions

Conversions Part 1

Format	Color
Hex	89F089
RGB	137, 240, 137
RGB Percent	54%, 94%, 54%
CMY	0.4627, 0.0588, 0.4627
CMYK	0.43, 0.00, 0.43, 0.06
HSL	120°, 77%, 74%
HSV	120°, 43%, 94%
XYZ	45.9920, 69.4447, 34.6470
YIQ	197.4610, -28.3250, -53.8690

Conversions

Conversions Part 2

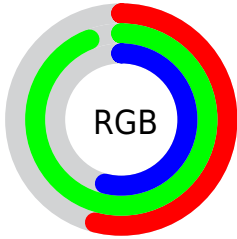
Format	Color
RYB	137, 240, 240
Decimal	9040009
CIELab	86.72, -50.23, 40.57
CIELCh	87, 64.570, 141.076
Yxy	69.4447, 0.3064, 0.4627
Android (android.graphics.Color)	4287230089 (0xFF89F089)
YUV	197.4610, -29.8073, -53.0243
Hunter-Lab	83.3335, -47.3189, 33.6828

Details

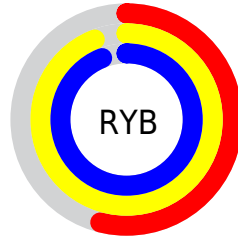
The XYZ color **45.9920, 69.4447, 34.6470** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **60.6112, 42.7092, 87.4896**, and the grayscale version is **53.5383, 56.3264, 61.3395**.

A 20% lighter version of the original color is **67.7801, 86.9279, 63.0755**, and **21.7976, 36.1851, 14.4299** is the 20% darker color. If you saturate the color by 10%, you get **40.9524, 67.0260, 26.4025**, and if you desaturate by 10%, it is **52.2930, 72.4735, 44.9522**.

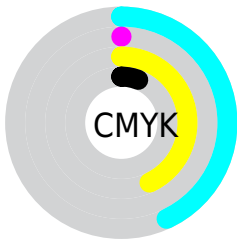
Distribution



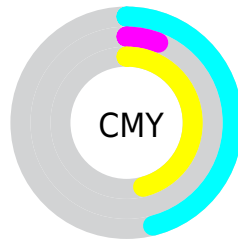
- Red (54%)
- Green (94%)
- Blue (54%)



- Red (54%)
- Yellow (94%)
- Blue (94%)



- Cyan (43%)
- Magenta (0%)
- Yellow (43%)
- Black (6%)





- Cyan (46%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.9920, 69.4447, 34.6470 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 45.9920, 69.4447, 34.6470 by changing the saturation by 10% instead.


 45.9920, 69.4447,
34.6470


 45.9920, 69.4447,
34.6470


361.4930,
458.5978, 337.8643


 32.4441, 51.0740,
23.1097


 83.4350, 118.4165,
68.0839

 21.8581, 36.2675,
14.4685


 108.0607,
149.7864, 90.8206

 13.8687, 24.6408,
8.3048


 137.1099,
186.2581, 118.1275

 8.1105, 15.8097,
4.2000

170.9477,
228.2160, 150.4232

 4.2181, 9.3896,
1.7357

209.9395,
276.0445, 188.1262

 1.8263, 4.9961,
0.3850

254.4508,

 0.5334, 2.2450,

330.1281, 231.6550

0.0000

304.8468,
390.8511, 281.4281

■ 0.0000, 0.7444,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 45.9920, 69.4447,
34.6470

■ 45.9920, 69.4447,
34.6470

■ 40.9524, 67.0260,
26.4025

■ 52.2930, 72.4735,
44.9522

■ 37.0846, 65.1681,
20.0759

■ 59.9268, 76.1404,
57.4387

■ 34.2956, 63.8284,
15.5140

■ 68.9657, 80.4822,
72.2233

■ 32.4762, 62.9544,
12.5378

■ 79.4752, 85.5305,
89.4134

■ 31.4938, 62.4826,
10.9309

■ 90.4515, 90.8029,
107.3672

■ 31.1615, 62.3229,
10.3873

Harmonies

Analogous

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



56.1558, 69.4447, 21.7202



45.9920, 69.4447, 34.6470



41.3904, 69.4447, 63.4968

Triad

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



45.9920, 69.4447, 34.6470



61.6263, 69.4447, 190.2705



96.7827, 69.4447, 49.6022

Complementary

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



45.9920, 69.4447, 34.6470



60.6112, 42.7092, 87.4896

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.



98.8393, 69.4447, 89.1811



45.9920, 69.4447, 34.6470



76.9435, 69.4447, 182.0097

Square

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



45.9920, 69.4447, 34.6470



49.4739, 69.4447, 159.9271



91.1158, 69.4447, 140.3833



85.8609, 69.4447, 27.7975

Rectangle

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



45.9920, 69.4447, 34.6470



41.5286, 69.4447, 92.6403



91.1158, 69.4447, 140.3833



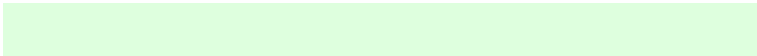
98.5929, 69.4447, 60.8123

Sweetspot

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



45.9937, 69.4476, 34.6485



79.0031, 92.2918, 82.6524



71.6137, 82.6552, 35.8470



16.3887, 19.5039, 16.8385



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.



45.9937, 69.4476, 34.6485



47.3806, 77.1020, 30.9282



50.6096, 71.2940, 58.9554



15.5660, 17.6564, 16.7374



17.0575, 34.1150, 5.6859



1.4190, 2.8381, 0.4730

Inverse Universe

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



60.6112, 42.7092, 87.4896



66.2984, 42.4974, 99.3145



54.0140, 40.0703, 52.7492



16.4543, 16.0314, 19.9487



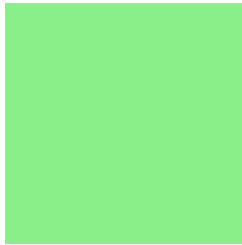
28.2810, 13.5848, 46.2579



2.3527, 1.1301, 3.8482

Previews

White Background



This preview shows how the XYZ color 45.9920, 69.4447, 34.6470 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 45.9920, 69.4447, 34.6470 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 45.9920, 69.4447, 34.6470

Background



This preview shows how black text looks on a background with the XYZ color 45.9920, 69.4447, 34.6470.



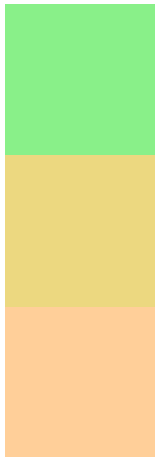
This preview shows how white text looks on a background with the XYZ color 45.9920, 69.4447,

34.6470.

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

45.9920, 69.4447, 34.6470

Protanopia

63.0442, 68.5031, 30.3217

Deuteranopia

69.3026, 68.1856, 39.6455



Tritanopia

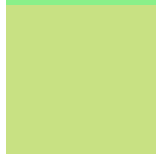
58.4017, 68.9629, 97.4219

Trichromacy



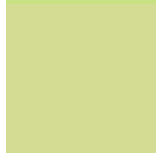
Original Color

45.9920, 69.4447, 34.6470



Protanomaly

54.8414, 67.7685, 31.6629



Deuteranomaly

57.7494, 66.7667, 37.4473



Tritanomaly

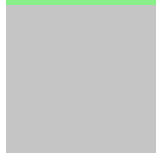
52.7597, 68.7488, 68.8816

Monochromacy



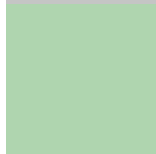
Original Color

45.9920, 69.4447, 34.6470



Achromatopsia

53.0703, 55.8340, 60.8033



Achromatomaly

49.2113, 59.7976, 49.5058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.9920, 69.4447, 34.6470 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(137, 240, 137)` looks like.

```
.text, #text, p{  
    color:rgb(137, 240, 137)  
}
```

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(137, 240, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 240, 137) }
```

Border

The CSS property to change the border of an element to XYZ 45.9920, 69.4447, 34.6470 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(137, 240, 137) }
```


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

```
.border{ border-color:rgb(137, 240, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 240, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 240, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 240, 137);  
box-shadow:4px 4px 4px 4px rgb(137, 240,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 45.9920, 69.4447, 34.6470 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 240, 137) }
```

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

```
.background{ background-color: rgb(137,  
240, 137) }
```

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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