

Converting Colors

XYZ(45.2192, 66.5172, 35.2930)

Have a look what the booklet for
XYZ(45.2192, 66.5172, 35.2930)
contains.

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Color

**XYZ(45.1409, 66.4018,
35.2486)**

Conversions

Conversions Part 1

Format	Color
Hex	8DEA8C
RGB	141, 234, 140
RGB Percent	55%, 92%, 55%
CMY	0.4471, 0.0823, 0.4510
CMYK	0.40, 0.00, 0.40, 0.08
HSL	119°, 69%, 73%
HSV	119°, 40%, 92%
XYZ	45.1409, 66.4018, 35.2486
YIQ	195.4770, -25.2540, -48.9500

Conversions

Conversions Part 2

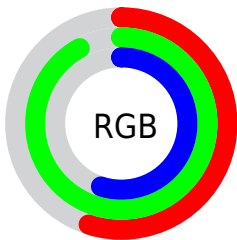
Format	Color
RYB	140, 234, 233
Decimal	9300620
CIELab	85.20, -46.11, 37.16
CIELCh	85, 59.216, 141.135
Yxy	66.4018, 0.3075, 0.4524
Android (android.graphics.Color)	4287490700 (0xFF8DEA8C)
YUV	195.4770, -27.3502, -47.7763
Hunter-Lab	81.4873, -43.7205, 31.3943

Details

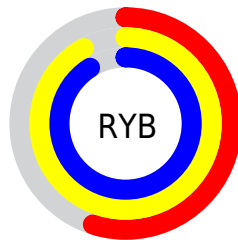
The XYZ color **45.1409, 66.4018, 35.2486** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **57.8369, 42.0225, 82.9082**, and the grayscale version is **52.3268, 55.0519, 59.9515**.

A 20% lighter version of the original color is **68.8990, 87.4659, 64.8810**, and **21.4282, 34.4767, 14.7578** is the 20% darker color. If you saturate the color by 10%, you get **40.0623, 63.9643, 26.9421**, and if you desaturate by 10%, it is **51.4126, 69.4159, 45.5289**.

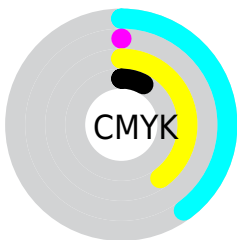
Distribution



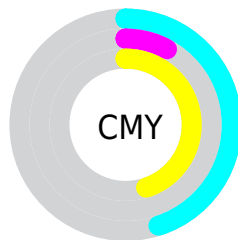
- Red (55%)
- Green (92%)
- Blue (55%)



- Red (55%)
- Yellow (92%)
- Blue (91%)



- Cyan (40%)
- Magenta (0%)
- Yellow (40%)
- Black (8%)





- Cyan (45%)
- Magenta (8%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.1409, 66.4018, 35.2486 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 45.1409, 66.4018, 35.2486 by changing the saturation by 10% instead.


 45.1409, 66.4018,
35.2486

 45.1409, 66.4018,
35.2486


358.1180,
447.8125, 340.6018


 31.7702, 48.5986,
23.5694


 82.1676, 114.0628,
69.0266

 21.3407, 34.3012,
14.8052


 106.5542,
144.6895, 91.9625

 13.4872, 23.1251,
8.5377


 135.3436,
180.3595, 119.4877

 7.8442, 14.6859,
4.3482

168.9009,
221.4571, 152.0207

 4.0464, 8.5992,
1.8183

207.5917,
268.3668, 189.9801

 1.7284, 4.4807,
0.4400

251.7813,

 0.4739, 1.9459,

321.4731, 233.7843

0.0000

301.8349,
381.1601, 283.8521

0.0000, 0.5758,
0.0000

0.0000, 0.0000,
0.0000

45.1409, 66.4018,
35.2486

45.1409, 66.4018,
35.2486

40.0623, 63.9643,
26.9421

51.4126, 69.4159,
45.5289

36.0967, 62.0589,
20.4789

58.9409, 73.0310,
57.8934

33.1620, 60.6483,
15.7200

67.7910, 77.2804,
72.4498

31.1627, 59.6867,
12.5046

78.0220, 82.1924,
89.2969

■ 29.9857, 59.1199,
10.6415

■ 88.7141, 87.3283,
106.7880

■ 29.4552, 58.8643,
9.8095

Harmonies

Analogous

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



54.2916, 66.4018, 23.0817



45.1409, 66.4018, 35.2486



40.9712, 66.4018, 61.5394

Triad

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



45.1409, 66.4018, 35.2486



59.2343, 66.4018, 172.1458



90.2503, 66.4018, 48.8740

Complementary

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



45.1409, 66.4018, 35.2486



57.8369, 42.0225, 82.9082

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.



92.0671, 66.4018, 84.2477



45.1409, 66.4018, 35.2486



72.8415, 66.4018, 164.9863

Square

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



45.1409, 66.4018, 35.2486



48.3196, 66.4018, 146.0948



85.3156, 66.4018, 129.0244



80.6538, 66.4018, 28.7964

Rectangle

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



45.1409, 66.4018, 35.2486



41.1040, 66.4018, 87.4682



85.3156, 66.4018, 129.0244



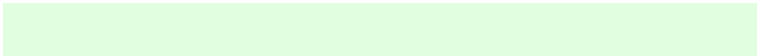
91.8399, 66.4018, 58.9958

Sweetspot

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



45.1426, 66.4046, 35.2501



80.2345, 92.8869, 84.5059



67.6471, 77.3469, 36.1760



16.8600, 19.7311, 17.5720



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.



45.1426, 66.4046, 35.2501



49.7815, 78.2625, 34.5281



49.0430, 67.9452, 56.6711



14.8831, 16.8698, 15.9905



16.5581, 33.0805, 5.5125



1.3054, 2.6003, 0.4331

Inverse Universe

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



57.8369, 42.0225, 82.9082



67.1464, 44.9001, 99.7353



52.4504, 39.9056, 52.8381



15.6981, 15.3052, 19.0491



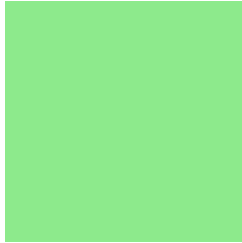
26.9656, 12.9372, 44.8188



2.1226, 1.0185, 3.5196

Previews

White Background



This preview shows how the XYZ color 45.1409, 66.4018, 35.2486 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 45.1409, 66.4018, 35.2486 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 45.1409, 66.4018, 35.2486

Background



This preview shows how black text looks on a background with the XYZ color 45.1409, 66.4018, 35.2486.



This preview shows how white text looks on a background with the XYZ color 45.1409, 66.4018,

35.2486.

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

45.1409, 66.4018, 35.2486

Protanopia

60.5952, 65.7146, 30.9632

Deuteranopia

66.7673, 65.5139, 36.7302



Tritanopia

56.5474, 66.1109, 92.2184

Trichromacy



Original Color

45.1409, 66.4018, 35.2486



Protanomaly

53.1850, 64.9134, 32.2806



Deuteranomaly

56.2320, 64.1038, 35.7951



Tritanomaly

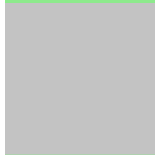
51.4219, 65.6224, 67.0829

Monochromacy



Original Color

45.1409, 66.4018, 35.2486



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.2175, 57.8100, 49.1746

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.1409, 66.4018, 35.2486 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(141, 234, 140)` looks like.

```
.text, #text, p{  
    color:rgb(141, 234, 140)  
}
```

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(141, 234, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(141, 234, 140) }
```

Border

The CSS property to change the border of an element to XYZ 45.1409, 66.4018, 35.2486 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(141, 234, 140) }
```


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

```
.border{ border-color:rgb(141, 234, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(141, 234, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(141, 234, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(141, 234, 140);  
box-shadow:4px 4px 4px 4px rgb(141, 234,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 45.1409, 66.4018, 35.2486 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(141, 234, 140) }
```

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

```
.background{ background-color: rgb(141,  
234, 140) }
```

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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