

Converting Colors

XYZ(45.2492, 65.6485, 37.3682)

Have a look what the booklet for
XYZ(45.2492, 65.6485, 37.3682)
contains.

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Color

**XYZ(45.2002, 65.5393,
37.4622)**

Conversions

Conversions Part 1

Format	Color
Hex	8EE892
RGB	142, 232, 146
RGB Percent	56%, 91%, 57%
CMY	0.4431, 0.0902, 0.4274
CMYK	0.39, 0.00, 0.37, 0.09
HSL	123°, 66%, 73%
HSV	123°, 39%, 91%
XYZ	45.2002, 65.5393, 37.4622
YIQ	195.2860, -26.0340, -45.8260

Conversions

Conversions Part 2

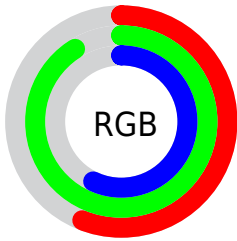
Format	Color
RYB	142, 228, 232
Decimal	9365650
CIELab	84.76, -44.04, 33.58
CIELCh	85, 55.382, 142.673
Yxy	65.5393, 0.3050, 0.4422
Android (android.graphics.Color)	4287555730 (0xFF8EE892)
YUV	195.2860, -24.2980, -46.7318
Hunter-Lab	80.9563, -42.0120, 29.2333

Details

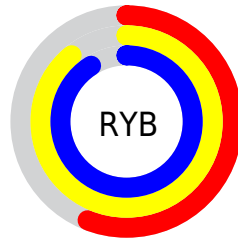
The XYZ color **45.2002, 65.5393, 37.4622** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.9573, 42.1044, 78.5258**, and the grayscale version is **52.1952, 54.9134, 59.8007**.

A 20% lighter version of the original color is **69.8558, 87.8792, 68.5389**, and **21.3835, 33.8373, 15.9939** is the 20% darker color. If you saturate the color by 10%, you get **40.0658, 63.0747, 29.0766**, and if you desaturate by 10%, it is **51.5007, 68.5703, 47.6506**.

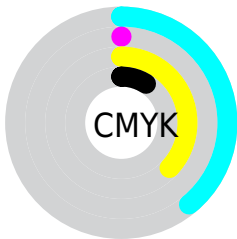
Distribution



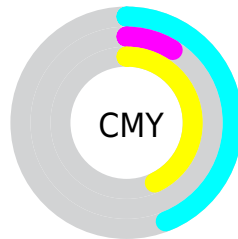
- Red (56%)
- Green (91%)
- Blue (57%)



- Red (56%)
- Yellow (89%)
- Blue (91%)



- Cyan (39%)
- Magenta (0%)
- Yellow (37%)
- Black (9%)





- Cyan (44%)
- Magenta (9%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 45.2002, 65.5393, 37.4622 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 45.2002, 65.5393, 37.4622 by changing the saturation by 10% instead.


 45.2002, 65.5393,
37.4622

 45.2002, 65.5393,
37.4622


358.3538,
444.7275, 350.5360

 31.8171, 47.8985,
25.2670


 82.2560, 112.8249,
72.4773

 21.3767, 33.7465,
16.0552


 106.6593,
143.2384, 96.1343

 13.5137, 22.6989,
9.4085


135.4668,
178.6783, 124.4490

 7.8626, 14.3714,
4.9081

169.0438,
219.5290, 157.8398

 4.0582, 8.3794,
2.1357

207.7557,
266.1749, 196.7254

 1.7351, 4.3387,
0.6369

251.9677,

 0.4781, 1.8648,

319.0003, 241.5243

0.0000

302.0453,
378.3897, 292.6550

0.0000, 0.5271,
0.0000

0.0000, 0.0000,
0.0000

45.2002, 65.5393,
37.4622

45.2002, 65.5393,
37.4622

40.0658, 63.0747,
29.0766

51.5007, 68.5703,
47.6506

36.0214, 61.1336,
22.3848

59.0276, 72.1909,
59.7336

32.9897, 59.6807,
17.2729

67.8427, 76.4330,
73.8021

30.8808, 58.6724,
13.6111

78.0026, 81.3240,
89.9396

■ 29.5896, 58.0577,
11.2492

■ 88.1479, 86.1958,
106.5993

■ 28.9655, 57.7629,
10.0031

■ 28.9144, 57.7384,
9.9169

Harmonies

Analogous

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



53.5514, 65.5393, 25.0952



45.2002, 65.5393, 37.4622



41.5208, 65.5393, 63.0064

Triad

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



45.2002, 65.5393, 37.4622



59.3032, 65.5393, 162.7104



86.9704, 65.5393, 48.1540

Complementary

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



45.2002, 65.5393, 37.4622



56.9573, 42.1044, 78.5258

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.



89.0441, 65.5393, 80.4236



45.2002, 65.5393, 37.4622



71.9379, 65.5393, 154.6750

Square

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



45.2002, 65.5393, 37.4622



48.9319, 65.5393, 140.5508



83.2290, 65.5393, 121.2590



77.8889, 65.5393, 29.6862

Rectangle

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



45.2002, 65.5393, 37.4622



41.8160, 65.5393, 87.4054



83.2290, 65.5393, 121.2590



88.5552, 65.5393, 57.4113

Sweetspot

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



45.2019, 65.5421, 37.4637



80.3192, 92.9091, 85.4793



66.0550, 76.3276, 36.8427



16.8797, 19.7363, 17.7986



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.



45.2019, 65.5421, 37.4637



50.5448, 78.5910, 37.5020



49.3079, 67.1845, 59.0859



14.2152, 16.0995, 15.3979



16.0635, 32.0575, 5.5690



1.1962, 2.3726, 0.4600

Inverse Universe

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



56.9573, 42.1044, 78.5258



67.1287, 45.5114, 95.4189



51.6053, 39.9636, 50.3427



14.9660, 14.6036, 18.0212



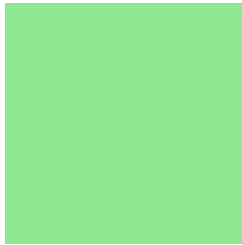
25.7842, 12.4479, 39.3540



1.9140, 0.9233, 2.9535

Previews

White Background



This preview shows how the XYZ color 45.2002, 65.5393, 37.4622 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 45.2002, 65.5393, 37.4622 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 45.2002, 65.5393, 37.4622

Background



This preview shows how black text looks on a background with the XYZ color 45.2002, 65.5393, 37.4622.



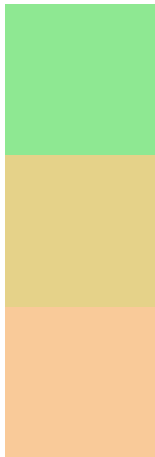
This preview shows how white text looks on a background with the XYZ color 45.2002, 65.5393,

37.4622.

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

45.2002, 65.5393, 37.4622

Protanopia

59.8750, 64.5573, 32.9720

Deuteranopia

65.9372, 64.6807, 39.1463



Tritanopia

55.7863, 65.3595, 90.5643

Trichromacy



Original Color

45.2002, 65.5393, 37.4622



Protanomaly

52.8310, 63.9066, 34.3617



Deuteranomaly

55.8776, 63.4921, 38.1643



Tritanomaly

51.0815, 65.0305, 67.6175

Monochromacy



Original Color

45.2002, 65.5393, 37.4622



Achromatopsia

51.8711, 54.5724, 59.4294



Achromatomaly

48.3962, 57.5162, 50.1460

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2002, 65.5393, 37.4622 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(142, 232, 146)` looks like.

```
.text, #text, p{  
    color:rgb(142, 232, 146)  
}
```

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(142, 232, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(142, 232, 146) }
```

Border

The CSS property to change the border of an element to XYZ 45.2002, 65.5393, 37.4622 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(142, 232, 146) }
```


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

```
.border{ border-color:rgb(142, 232, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(142, 232, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(142, 232, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(142, 232, 146);  
box-shadow:4px 4px 4px 4px rgb(142, 232,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2002, 65.5393, 37.4622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(142, 232, 146) }
```

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

```
.background{ background-color: rgb(142,  
232, 146) }
```

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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