

Converting Colors

XYZ(43.8977, 65.9142, 35.8735)

Have a look what the booklet for
XYZ(43.8977, 65.9142, 35.8735)
contains.

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Color

**XYZ(43.8210, 65.7042,
35.9637)**

Conversions

Conversions Part 1

Format	Color
Hex	84EA8E
RGB	132, 234, 142
RGB Percent	52%, 92%, 56%
CMY	0.4823, 0.0823, 0.4431
CMYK	0.44, 0.00, 0.39, 0.08
HSL	126°, 71%, 72%
HSV	126°, 44%, 92%
XYZ	43.8210, 65.7042, 35.9637
YIQ	193.0140, -31.2600, -50.2360

Conversions

Conversions Part 2

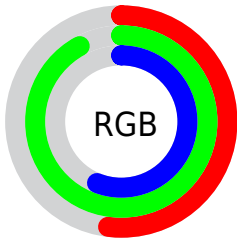
Format	Color
RYB	132, 225, 234
Decimal	8710798
CIELab	84.85, -48.41, 35.62
CIELCh	85, 60.106, 143.655
Yxy	65.7042, 0.3012, 0.4516
Android (android.graphics.Color)	4286900878 (0xFF84EA8E)
YUV	193.0140, -25.1499, -53.5093
Hunter-Lab	81.0581, -45.3525, 30.4350

Details

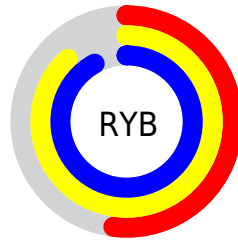
The XYZ color **43.8210, 65.7042, 35.9637** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **55.6395, 39.3780, 75.1914**, and the grayscale version is **50.8545, 53.5029, 58.2647**.

A 20% lighter version of the original color is **66.8243, 86.3700, 65.9724**, and **20.4693, 33.6783, 15.0946** is the 20% darker color. If you saturate the color by 10%, you get **39.1266, 63.4521, 28.2412**, and if you desaturate by 10%, it is **49.6395, 68.5048, 45.3078**.

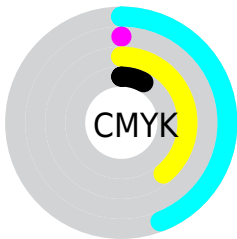
Distribution



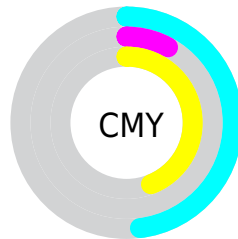
- Red (52%)
- Green (92%)
- Blue (56%)



- Red (52%)
- Yellow (88%)
- Blue (92%)



- Cyan (44%)
- Magenta (0%)
- Yellow (39%)
- Black (8%)





- Cyan (48%)
- Magenta (8%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.8210, 65.7042, 35.9637 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 43.8210, 65.7042, 35.9637 by changing the saturation by 10% instead.


 43.8210, 65.7042,
35.9637


 43.8210, 65.7042,
35.9637


352.8419,
445.3183, 343.8345


 30.7271, 48.0323,
24.1167


 80.1963, 113.0617,
70.1444

 20.5419, 33.8525,
15.2072


 104.2085,
143.5161, 93.3153

 12.9001, 22.7803,
8.8167

 132.5908,
179.0001, 121.0978

 7.4363, 14.4314,
4.5266

165.7086,
219.8981, 153.9105

 3.7852, 8.4213,
1.9185

203.9273,
266.5945, 192.1720

 1.5813, 4.3657,
0.5045

247.6121,

 0.3802, 1.8802,

319.4738, 236.3008

0.0000

297.1285,
378.9202, 286.7154

■ 0.0000, 0.5364,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 43.8210, 65.7042,
35.9637

■ 43.8210, 65.7042,
35.9637

■ 39.1266, 63.4521,
28.2412

■ 49.6395, 68.5048,
45.3078

■ 35.4787, 61.7050,
22.0438


■ 56.6430, 71.8781,
56.3538


■ 32.7980, 60.4259,
17.2718


■ 64.8942, 75.8563,
69.1821


■ 30.9913, 59.5692,
13.8116

■ 74.4498, 80.4673,
83.8666

 29.9468, 59.0801,
11.5324

 85.3630, 85.7369,
100.4770

 29.5782, 58.9099,
10.6195

 88.7141, 87.3283,
106.7880

Harmonies

Analogous

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



52.6214, 65.7042, 22.8291



43.8210, 65.7042, 35.9637



40.0787, 65.7042, 63.6510

Triad

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



43.8210, 65.7042, 35.9637



59.6306, 65.7042, 173.5166



89.3118, 65.7042, 45.7097

Complementary

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



43.8210, 65.7042, 35.9637



55.6395, 39.3780, 75.1914

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.



91.8981, 65.7042, 80.0568



43.8210, 65.7042, 35.9637



73.4318, 65.7042, 163.2907

Square

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



43.8210, 65.7042, 35.9637



48.3206, 65.7042, 149.4859



85.7269, 65.7042, 125.1342



79.0955, 65.7042, 26.8757

Rectangle

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



43.8210, 65.7042, 35.9637



40.5070, 65.7042, 90.5250



85.7269, 65.7042, 125.1342



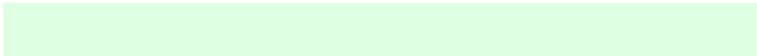
91.1580, 65.7042, 55.4155

Sweetspot

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



43.8227, 65.7069, 35.9652



79.4426, 92.4676, 84.9670



64.7979, 76.6030, 33.2007



16.4953, 19.5465, 17.3998



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.



43.8227, 65.7069, 35.9652



48.2443, 77.4474, 35.4763



48.3994, 67.5377, 60.0661



14.9283, 16.8861, 16.3054



16.6412, 33.1110, 6.0757



1.3271, 2.6081, 0.5843

Inverse Universe

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



55.6395, 39.3780, 75.1914



64.2755, 41.6882, 88.6621



49.8737, 37.0716, 44.8286



15.6474, 15.2868, 18.6947



25.7054, 12.4848, 35.8454



2.0370, 0.9878, 2.9121

Previews

White Background



This preview shows how the XYZ color 43.8210, 65.7042, 35.9637 looks on a white background.

Color Contrast Check

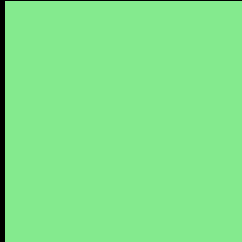
Large Text (above 18pt) WCAG AA × Fail

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 43.8210, 65.7042, 35.9637 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

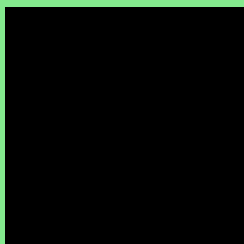
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 43.8210, 65.7042, 35.9637

Background



This preview shows how black text looks on a background with the XYZ color 43.8210, 65.7042, 35.9637.



This preview shows how white text looks on a background with the XYZ color 43.8210, 65.7042,

35.9637.

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

43.8210, 65.7042, 35.9637

Protanopia

59.8410, 64.9400, 31.5710

Deuteranopia

65.9697, 64.7350, 37.4519



Tritanopia

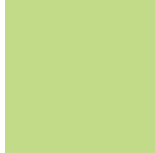
54.9863, 65.3061, 92.1453

Trichromacy



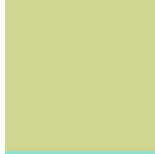
Original Color

43.8210, 65.7042, 35.9637



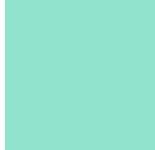
Protanomaly

52.0236, 63.9099, 32.8865



Deuteranomaly

54.9670, 63.4339, 36.5410



Tritanomaly

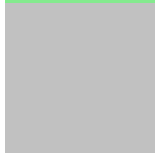
49.7725, 64.7721, 67.0057

Monochromacy



Original Color

43.8210, 65.7042, 35.9637



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.9904, 56.8257, 48.5362

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.8210, 65.7042, 35.9637 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(132, 234, 142)` looks like.

```
.text, #text, p{  
    color:rgb(132, 234, 142)  
}
```

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(132, 234, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 234, 142) }
```

Border

The CSS property to change the border of an element to XYZ 43.8210, 65.7042, 35.9637 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(132, 234, 142) }
```


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

```
.border{ border-color:rgb(132, 234, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 234, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 234, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 234, 142);  
box-shadow:4px 4px 4px 4px rgb(132, 234,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 43.8210, 65.7042, 35.9637 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 234, 142) }
```

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

```
.background{ background-color: rgb(132,  
234, 142) }
```

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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