

Converting Colors

XYZ(42.9975, 62.8746, 35.4993)

Have a look what the booklet for
XYZ(42.9975, 62.8746, 35.4993)
contains.

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Color

**XYZ(42.9424, 62.7582,
35.4414)**

Conversions

Conversions Part 1

Format	Color
Hex	89E48E
RGB	137, 228, 142
RGB Percent	54%, 89%, 56%
CMY	0.4627, 0.1059, 0.4431
CMYK	0.40, 0.00, 0.38, 0.11
HSL	123°, 63%, 72%
HSV	123°, 40%, 89%
XYZ	42.9424, 62.7582, 35.4414
YIQ	190.9870, -26.6300, -46.0380

Conversions

Conversions Part 2

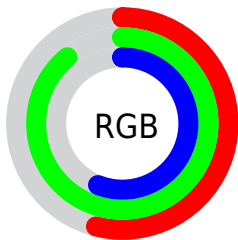
Format	Color
RYB	137, 223, 228
Decimal	9036942
CIELab	83.31, -44.42, 33.66
CIELCh	83, 55.727, 142.848
Yxy	62.7582, 0.3042, 0.4446
Android (android.graphics.Color)	4287227022 (0xFF89E48E)
YUV	190.9870, -24.1506, -47.3466
Hunter-Lab	79.2201, -41.8766, 28.9289

Details

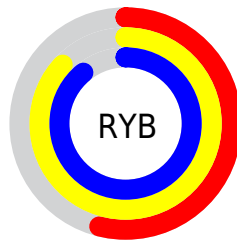
The XYZ color **42.9424, 62.7582, 35.4414** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.2618, 39.7142, 74.6199**, and the grayscale version is **49.6617, 52.2480, 56.8981**.

A 20% lighter version of the original color is **67.9719, 86.9749, 65.4299**, and **20.0342, 32.0097, 15.0201** is the 20% darker color. If you saturate the color by 10%, you get **38.1280, 60.4473, 27.5724**, and if you desaturate by 10%, it is **48.8624, 65.6065, 44.9972**.

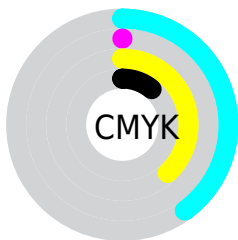
Distribution



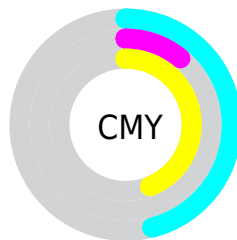
- Red (54%)
- Green (89%)
- Blue (56%)



- Red (54%)
- Yellow (87%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (38%)
- Black (11%)





- Cyan (46%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.9424, 62.7582, 35.4414 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 42.9424, 62.7582, 35.4414 by changing the saturation by 10% instead.


 42.9424, 62.7582,
35.4414

 42.9424, 62.7582,
35.4414


349.3004,
434.6914, 341.4756


 30.0342, 45.6456,
23.7168


 78.8802, 108.8206,
69.3283

 20.0128, 31.9663,
14.9134


 102.6405,
138.5392, 92.3277

 12.5127, 21.3357,
8.6127


 130.7490,
173.2286, 119.9225

 7.1685, 13.3696,
4.3961

163.5709,
213.2732, 152.5312

 3.6150, 7.6836,
1.8451

201.4717,
259.0574, 190.5723

 1.4867, 3.8931,
0.4574

244.8166,

 0.3168, 1.6140,

310.9656, 234.4644

0.0000

293.9710,
369.3821, 284.6260

0.0000, 0.3670,
0.0000

0.0000, 0.0000,
0.0000

42.9424, 62.7582,
35.4414

42.9424, 62.7582,
35.4414

38.1280, 60.4473,
27.5724

48.8624, 65.6065,
44.9972

34.3463, 58.6329,
21.2883


55.9457, 69.0147,
56.3252


31.5229, 57.2809,
16.4830


64.2517, 73.0134,
69.5104


29.5716, 56.3492,
13.0354


73.8341, 77.6286,
84.6308

 28.3906, 55.7885,
10.8055

 84.7439, 82.8849,
101.7601

 27.8180, 55.5189,
9.6214

 87.0347, 83.9693,
106.2282

 27.8143, 55.5172,
9.6150

Harmonies

Analogous

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



51.0540, 62.7582, 23.4471



42.9424, 62.7582, 35.4414



39.3927, 62.7582, 60.3587

Triad

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



42.9424, 62.7582, 35.4414



56.7962, 62.7582, 158.2070



83.7957, 62.7582, 45.5636

Complementary

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



42.9424, 62.7582, 35.4414



54.2618, 39.7142, 74.6199

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.



85.8780, 62.7582, 76.9805



42.9424, 62.7582, 35.4414



69.1600, 62.7582, 150.0970

Square

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



42.9424, 62.7582, 35.4414



46.6580, 62.7582, 136.4940



80.2101, 62.7582, 117.0633



74.8537, 62.7582, 27.7584

Rectangle

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



42.9424, 62.7582, 35.4414



39.6983, 62.7582, 84.2678



80.2101, 62.7582, 117.0633



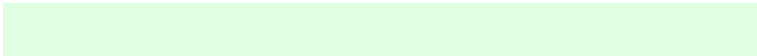
85.3665, 62.7582, 54.5454

Sweetspot

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



42.9440, 62.7608, 35.4428



80.3633, 92.9268, 85.7114



62.8317, 73.0558, 34.4568



16.8900, 19.7404, 17.8527



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.



42.9440, 62.7608, 35.4428



50.0540, 78.3477, 37.0361



47.0366, 64.3979, 56.9944



14.2213, 16.1019, 15.4300



16.0738, 32.0616, 5.6231



1.1992, 2.3738, 0.4755

Inverse Universe

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



54.2618, 39.7142, 74.6199



66.5585, 44.7200, 94.1529



48.9733, 37.5987, 46.7706



14.9591, 14.6008, 17.9850



25.6074, 12.3772, 38.4229



1.9028, 0.9188, 2.8947

Previews

White Background



This preview shows how the XYZ color 42.9424, 62.7582, 35.4414 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 42.9424, 62.7582, 35.4414 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 42.9424, 62.7582, 35.4414

Background



This preview shows how black text looks on a background with the XYZ color 42.9424, 62.7582, 35.4414.



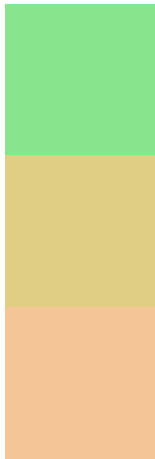
This preview shows how white text looks on a background with the XYZ color 42.9424, 62.7582,

35.4414.

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

42.9424, 62.7582, 35.4414

Protanopia

57.3563, 61.8436, 31.1043

Deuteranopia

63.2751, 61.9706, 37.0603



Tritanopia

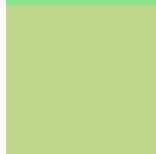
53.1817, 62.5348, 87.1093

Trichromacy



Original Color

42.9424, 62.7582, 35.4414



Protanomaly

50.4828, 61.2082, 32.4462



Deuteranomaly

53.4424, 60.7981, 36.1126



Tritanomaly

48.6118, 62.2258, 64.7070

Monochromacy



Original Color

42.9424, 62.7582, 35.4414



Achromatopsia

49.5206, 52.0996, 56.7364



Achromatomaly

45.9303, 54.8608, 47.7036

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.9424, 62.7582, 35.4414 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, 228, 142)` looks like.

```
.text, #text, p{  
    color:rgb(137, 228, 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(137, 228, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 228, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.9424, 62.7582, 35.4414 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, 228, 142) }
```


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

```
.border{ border-color:rgb(137, 228, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 228, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(137, 228, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(137, 228, 142); box-shadow:4px 4px 4px 4px rgb(137, 228, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.9424, 62.7582, 35.4414 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 228, 142) }
```

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

```
.background{ background-color: rgb(137,  
228, 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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