

Converting Colors

XYZ(42.5362, 62.1249, 35.4333)

Have a look what the booklet for
XYZ(42.5362, 62.1249, 35.4333)
contains.

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Color

**XYZ(42.5049, 62.1254,
35.3423)**

Conversions

Conversions Part 1

Format	Color
Hex	88E38E
RGB	136, 227, 142
RGB Percent	53%, 89%, 56%
CMY	0.4667, 0.1098, 0.4431
CMYK	0.40, 0.00, 0.37, 0.11
HSL	124°, 62%, 71%
HSV	124°, 40%, 89%
XYZ	42.5049, 62.1254, 35.3423
YIQ	190.1010, -26.9510, -45.7270

Conversions

Conversions Part 2

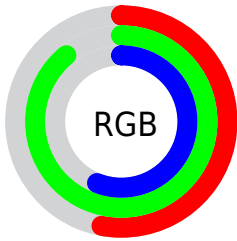
Format	Color
RYB	136, 221, 227
Decimal	8971150
CIELab	82.98, -44.28, 33.21
CIELCh	83, 55.348, 143.133
Yxy	62.1254, 0.3037, 0.4438
Android (android.graphics.Color)	4287161230 (0xFF88E38E)
YUV	190.1010, -23.7138, -47.4466
Hunter-Lab	78.8197, -41.6751, 28.5885

Details

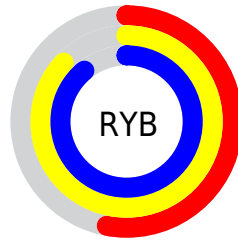
The XYZ color **42.5049, 62.1254, 35.3423** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **53.5358, 39.1609, 73.1460**, and the grayscale version is **49.1465, 51.7060, 56.3078**.

A 20% lighter version of the original color is **67.7161, 86.8430, 65.4179**, and **19.7595, 31.5866, 14.9529** is the 20% darker color. If you saturate the color by 10%, you get **37.7580, 59.8468, 27.5861**, and if you desaturate by 10%, it is **48.3386, 64.9328, 44.7327**.

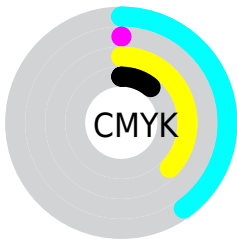
Distribution



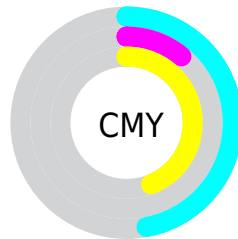
- Red (53%)
- Green (89%)
- Blue (56%)



- Red (53%)
- Yellow (87%)
- Blue (89%)



- Cyan (40%)
- Magenta (0%)
- Yellow (37%)
- Black (11%)





- Cyan (47%)
- Magenta (11%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.5049, 62.1254, 35.3423 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 42.5049, 62.1254, 35.3423 by changing the saturation by 10% instead.


 42.5049, 62.1254,
35.3423


 42.5049, 62.1254,
35.3423


347.5278,
432.3884, 341.0267

 29.6897, 45.1340,
23.6410


 78.2236, 107.9067,
69.1733

 19.7501, 31.5630,
14.8578


 101.8578,
137.4655, 92.1401

 12.3207, 21.0279,
8.5741


 129.8290,
171.9822, 119.6991

 7.0362, 13.1444,
4.3715

162.5025,
211.8412, 152.2689

 3.5313, 7.5281,
1.8313

200.2439,
257.4270, 190.2680

 1.4406, 3.7945,
0.4485

243.4183,

 0.2848, 1.5593,

309.1238, 234.1150

0.0000

292.3911,
367.3161, 284.2284

■ 0.0000, 0.3299,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 42.5049, 62.1254,
35.3423

■ 42.5049, 62.1254,
35.3423

■ 37.7580, 59.8468,
27.5861

■ 48.3386, 64.9328,
44.7327

■ 34.0261, 58.0568,
21.3669


■ 55.3155, 68.2909,
55.8387

■ 31.2365, 56.7217,
16.5837


■ 63.4938, 72.2299,
68.7414


■ 29.3045, 55.8003,
13.1216

■ 72.9265, 76.7754,
83.5156

 28.1305, 55.2442,
10.8484

 83.6632, 81.9515,
100.2316

 27.5563, 54.9750,
9.6097

 86.7603, 83.4206,
106.1368

Harmonies

Analogous

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



50.4721, 62.1254, 23.3766



42.5049, 62.1254, 35.3423



39.0447, 62.1254, 60.0762

Triad

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



42.5049, 62.1254, 35.3423



56.3431, 62.1254, 156.2871



82.8030, 62.1254, 44.9415

Complementary

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



42.5049, 62.1254, 35.3423



53.5358, 39.1609, 73.1460

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.



84.9295, 62.1254, 75.8220



42.5049, 62.1254, 35.3423



68.5449, 62.1254, 148.0138

Square

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



42.5049, 62.1254, 35.3423



46.3060, 62.1254, 135.1432



79.4082, 62.1254, 115.3124



73.9369, 62.1254, 27.4697

Rectangle

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



42.5049, 62.1254, 35.3423



39.3767, 62.1254, 83.7277



79.4082, 62.1254, 115.3124



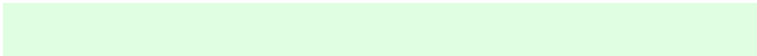
84.3748, 62.1254, 53.7644

Sweetspot

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



42.5065, 62.1280, 35.3437



80.4095, 92.9452, 85.9548



62.1779, 72.3196, 33.9749



16.9008, 19.7447, 17.9094



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.



42.5065, 62.1280, 35.3437



50.1532, 78.3874, 37.5584



46.4924, 63.7224, 56.3331



14.2277, 16.1045, 15.4638



16.0850, 32.0661, 5.6822



1.2023, 2.3750, 0.4916

Inverse Universe

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



53.5358, 39.1609, 73.1460



66.3503, 44.6367, 93.0563



48.4154, 37.1127, 46.1819



14.9519, 14.5980, 17.9472



25.4250, 12.3042, 37.4627



1.8913, 0.9142, 2.8339

Previews

White Background



This preview shows how the XYZ color 42.5049, 62.1254, 35.3423 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 42.5049, 62.1254, 35.3423 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

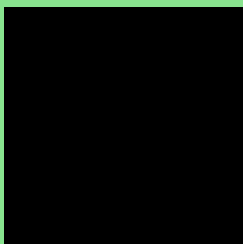
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

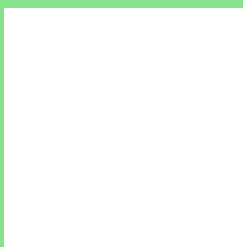
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.5049, 62.1254, 35.3423

Background



This preview shows how black text looks on a background with the XYZ color 42.5049, 62.1254, 35.3423.



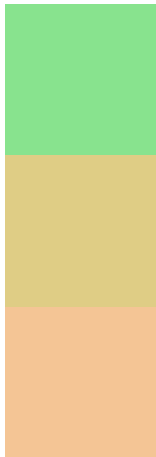
This preview shows how white text looks on a background with the XYZ color 42.5049, 62.1254,

35.3423.

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

42.5049, 62.1254, 35.3423

Protanopia

56.4964, 61.0441, 30.9953

Deuteranopia

62.6993, 61.3355, 36.9681



Tritanopia

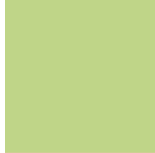
52.5903, 61.8650, 86.2601

Trichromacy



Original Color

42.5049, 62.1254, 35.3423



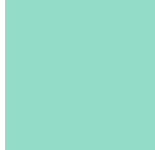
Protanomaly

49.7240, 60.4424, 32.3384



Deuteranomaly

52.9210, 60.1662, 36.0181



Tritanomaly

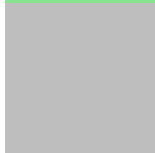
48.0511, 61.5596, 63.9932

Monochromacy



Original Color

42.5049, 62.1254, 35.3423



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.4763, 54.2750, 47.6144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5049, 62.1254, 35.3423 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(136, 227, 142)` looks like.

```
.text, #text, p{  
    color:rgb(136, 227, 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(136, 227, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 227, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.5049, 62.1254, 35.3423 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(136, 227, 142) }
```


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

```
.border{ border-color:rgb(136, 227, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 227, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(136, 227, 142); -webkit-box-shadow:4px 4px 4px 4px rgb(136, 227, 142); box-shadow:4px 4px 4px 4px rgb(136, 227, 142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5049, 62.1254, 35.3423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 227, 142) }
```

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

```
.background{ background-color: rgb(136,  
227, 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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