

Converting Colors

XYZ(42.1014, 64.8172, 35.9943)

Have a look what the booklet for
XYZ(42.1014, 64.8172, 35.9943)
contains.

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Color

**XYZ(42.0510, 64.7917,
35.8809)**

Conversions

Conversions Part 1

Format	Color
Hex	78EA8E
RGB	120, 234, 142
RGB Percent	47%, 92%, 56%
CMY	0.5294, 0.0823, 0.4431
CMYK	0.49, 0.00, 0.39, 0.08
HSL	132°, 73%, 69%
HSV	132°, 49%, 92%
XYZ	42.0510, 64.7917, 35.8809
YIQ	189.4260, -38.4120, -52.7800

Conversions

Conversions Part 2

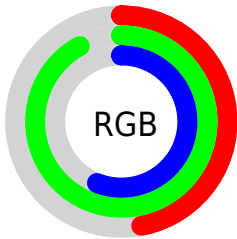
Format	Color
RYB	120, 216, 234
Decimal	7924366
CIELab	84.38, -51.66, 34.92
CIELCh	84, 62.358, 145.946
Yxy	64.7917, 0.2946, 0.4540
Android (android.graphics.Color)	4286114446 (0xFF78EA8E)
YUV	189.4260, -23.3810, -60.8866
Hunter-Lab	80.4933, -47.6120, 29.9160

Details

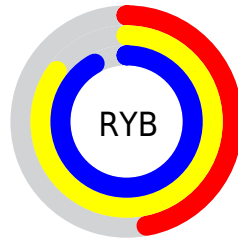
The XYZ color **42.0510, 64.7917, 35.8809** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.5338, 35.6800, 66.4074**, and the grayscale version is **48.7608, 51.3001, 55.8658**.

A 20% lighter version of the original color is **64.1981, 85.0162, 65.8495**, and **19.3712, 33.1123, 15.0432** is the 20% darker color. If you saturate the color by 10%, you get **37.8940, 62.8007, 28.9022**, and if you desaturate by 10%, it is **47.2445, 67.2929, 44.1648**.

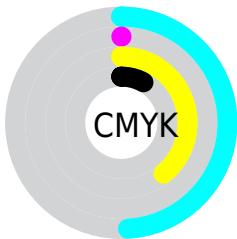
Distribution



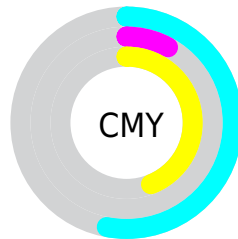
- Red (47%)
- Green (92%)
- Blue (56%)



- Red (47%)
- Yellow (85%)
- Blue (92%)



- Cyan (49%)
- Magenta (0%)
- Yellow (39%)
- Black (8%)





- Cyan (53%)
- Magenta (8%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.0510, 64.7917, 35.8809 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 42.0510, 64.7917, 35.8809 by changing the saturation by 10% instead.


 42.0510, 64.7917,
35.8809


 42.0510, 64.7917,
35.8809


345.6823,
442.0431, 343.4613

 29.3325, 47.2922,
24.0533


 77.5415, 111.7503,
70.0152

 19.4780, 33.2667,
15.1606


 101.0442,
141.9783, 93.1589

 12.1223, 22.3308,
8.7843


 128.8724,
177.2178, 120.9117

 6.8998, 14.1002,
4.5059

161.3913,
217.8533, 153.6922

 3.4453, 8.1904,
1.9068

198.9664,
264.2692, 191.9188

 1.3934, 4.2170,
0.4970

241.9631,

 0.2515, 1.7957,

316.8498, 236.0102

0.0000

290.7466,
375.9797, 286.3849

0.0000, 0.4845,
0.0000

0.0000, 0.0000,
0.0000

42.0510, 64.7917,
35.8809

42.0510, 64.7917,
35.8809

37.8940, 62.8007,
28.9022

47.2445, 67.2929,
44.1648

34.6975, 61.2767,
23.1579


53.5336, 70.3281,
53.8112


32.3832, 60.1826,
18.5769


60.9788, 73.9290,
64.8793


30.8575, 59.4719,
15.0793

69.6347, 78.1225,
77.4236

 29.9865, 59.0775,
12.5738

 79.5524, 82.9341,
91.4957

 29.9008, 59.0389,
12.3186

 88.7141, 87.3282,
106.7880

Harmonies

Analogous

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



50.6517, 64.7917, 21.7928



42.0510, 64.7917, 35.8809



38.6574, 64.7917, 65.2921

Triad

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



42.0510, 64.7917, 35.8809



59.7192, 64.7917, 177.2310



88.7632, 64.7917, 42.1656

Complementary

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



42.0510, 64.7917, 35.8809



52.5338, 35.6800, 66.4074

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.



92.1449, 64.7917, 76.0768



42.0510, 64.7917, 35.8809



73.9828, 64.7917, 163.7368

Square

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



42.0510, 64.7917, 35.8809



47.8430, 64.7917, 154.4667



86.3828, 64.7917, 122.4457



77.7290, 64.7917, 24.3505

Rectangle

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



42.0510, 64.7917, 35.8809



39.3640, 64.7917, 93.6402



86.3828, 64.7917, 122.4457



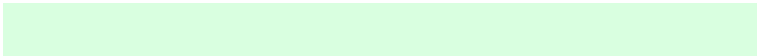
90.8973, 64.7917, 51.6019

Sweetspot

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



42.0526, 64.7944, 35.8824



77.7735, 91.6224, 84.2006



60.2850, 74.3659, 28.9464



16.1863, 19.3880, 17.3512



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.



42.0526, 64.7944, 35.8824



46.2540, 76.4194, 35.4724



47.3519, 66.9141, 63.7877



14.9871, 16.9097, 16.6150



16.8365, 33.1891, 7.1043



1.3549, 2.6193, 0.7309

Inverse Universe

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



52.5338, 35.6800, 66.4074



60.2984, 37.3124, 76.3046



46.6592, 33.3302, 35.4720



15.5829, 15.2610, 18.3550



24.2646, 11.9085, 28.2584



1.9373, 0.9479, 2.3871

Previews

White Background



This preview shows how the XYZ color 42.0510, 64.7917, 35.8809 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 42.0510, 64.7917, 35.8809 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 42.0510, 64.7917, 35.8809

Background



This preview shows how black text looks on a background with the XYZ color 42.0510, 64.7917, 35.8809.



This preview shows how white text looks on a background with the XYZ color 42.0510, 64.7917,

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

42.0510, 64.7917, 35.8809

Protanopia

58.9602, 63.7609, 31.0293

Deuteranopia

64.8707, 63.4670, 37.6855



Tritanopia

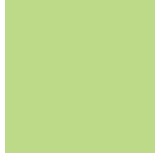
53.1771, 64.3735, 92.0607

Trichromacy



Original Color

42.0510, 64.7917, 35.8809



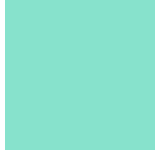
Protanomaly

50.5016, 62.7392, 32.7407



Deuteranomaly

52.8973, 61.6111, 36.7079



Tritanomaly

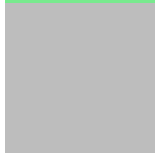
48.0871, 63.9032, 66.9268

Monochromacy



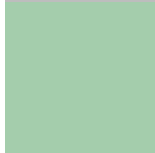
Original Color

42.0510, 64.7917, 35.8809



Achromatopsia

48.3692, 50.8881, 55.4172



Achromatomaly

44.5876, 54.5337, 47.2058

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.0510, 64.7917, 35.8809 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(120, 234, 142)` looks like.

```
.text, #text, p{  
    color:rgb(120, 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(120, 234, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 234, 142) }
```

Border

The CSS property to change the border of an element to XYZ 42.0510, 64.7917, 35.8809 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(120, 234, 142) }
```


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

```
.border{ border-color:rgb(120, 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(120, 234, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 234, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 234, 142);  
box-shadow:4px 4px 4px 4px rgb(120, 234,  
142) }
```

Background

The CSS property to change the background color of an element to XYZ 42.0510, 64.7917, 35.8809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 234, 142) }
```

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

```
.background{ background-color: rgb(120,  
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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