

Converting Colors

XYZ(64.2978, 78.8326, 41.9647)

Have a look what the booklet for
XYZ(64.2978, 78.8326, 41.9647)
contains.

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Color

**XYZ(64.3504, 78.7662,
41.9488)**

Conversions

Conversions Part 1

Format	Color
Hex	D5F099
RGB	213, 240, 153
RGB Percent	84%, 94%, 60%
CMY	0.1647, 0.0588, 0.4000
CMYK	0.11, 0.00, 0.36, 0.06
HSL	79°, 74%, 77%
HSV	79°, 36%, 94%
XYZ	64.3504, 78.7662, 41.9488
YIQ	222.0090, 11.8350, -32.7810

Conversions

Conversions Part 2

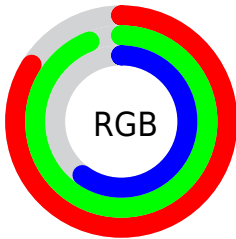
Format	Color
RYB	153, 240, 180
Decimal	14020761
CIELab	91.13, -22.72, 39.18
CIELCh	91, 45.285, 120.109
Yxy	78.7662, 0.3477, 0.4256
Android (android.graphics.Color)	4292210841 (0xFFD5F099)
YUV	222.0090, -34.0214, -7.9009
Hunter-Lab	88.7503, -25.8877, 34.1012

Details

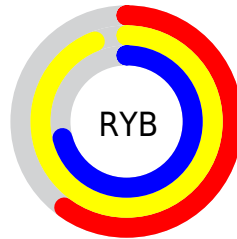
The XYZ color **64.3504, 78.7662, 41.9488** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.9450, 38.7792, 87.5061**, and the grayscale version is **69.6661, 73.2942, 79.8174**.

A 20% lighter version of the original color is **88.3852, 97.3341, 73.8035**, and **33.3941, 42.3887, 18.7337** is the 20% darker color. If you saturate the color by 10%, you get **60.4533, 76.9661, 32.4393**, and if you desaturate by 10%, it is **68.7495, 80.7839, 53.5660**.

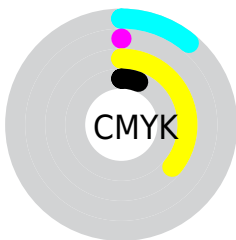
Distribution



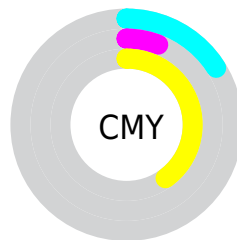
- Red (84%)
- Green (94%)
- Blue (60%)



- Red (60%)
- Yellow (94%)
- Blue (71%)



- Cyan (11%)
- Magenta (0%)
- Yellow (36%)
- Black (6%)





- Cyan (16%)
- Magenta (6%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 64.3504, 78.7662, 41.9488 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 64.3504, 78.7662, 41.9488 by changing the saturation by 10% instead.


 64.3504, 78.7662,
41.9488


 64.3504, 78.7662,
41.9488

430.0361,
490.7650, 370.0640

 47.1973, 58.7036,
28.7359


 110.1863,
131.6297, 79.3914

 33.4002, 42.3746,
18.6373


 139.5999,
165.1993, 104.4582

 22.5939, 29.3947,
11.2343


173.8309,
204.0401, 134.3134

 14.4130, 19.3796,
6.1085

213.2448,
248.5365, 169.3755

 8.4921, 11.9449,
2.8413

258.2069,
299.0727, 210.0631

 4.4658, 6.7062,
1.0142

309.0826,

 1.9689, 3.2790,

356.0333, 256.7947

0.0000

366.2372,
419.8026, 309.9888

0.6164, 1.2791,
0.0000

0.0000, 0.1249,
0.0000

64.3504, 78.7662,
41.9488

64.3504, 78.7662,
41.9488

60.4533, 76.9661,
32.4393

68.7495, 80.7839,
53.5660

57.0269, 75.3629,
24.9059

73.6679, 83.0183,
67.4021

54.0452, 73.9488,
19.2098

79.1294, 85.4817,
83.5663

51.4766, 72.7109,
15.1925

85.1543, 88.1824,
102.1594

■ 49.2846, 71.6345,
12.6681

■ 88.7253, 89.9135,
107.2865

■ 47.4239, 70.7013,
11.4056

■ 90.4518, 90.8035,
107.3673

■ 46.7848, 70.3775,
11.1184

Harmonies

Analogous

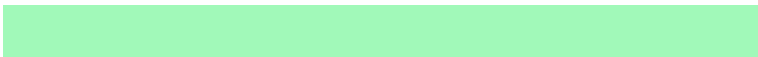
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



74.8232, 78.7662, 36.8840



64.3504, 78.7662, 41.9488



57.3465, 78.7662, 58.0107

Triad

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



64.3504, 78.7662, 41.9488



64.4158, 78.7662, 152.9010



99.1217, 78.7662, 85.6436

Complementary

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



64.3504, 78.7662, 41.9488



45.9450, 38.7792, 87.5061

Split Complementary

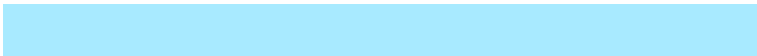
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.6306, 78.7662, 121.1976



64.3504, 78.7662, 41.9488



74.9066, 78.7662, 165.5739

Square

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



64.3504, 78.7662, 41.9488



57.3815, 78.7662, 121.4585



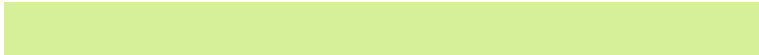
86.4666, 78.7662, 152.7254



95.5814, 78.7662, 57.8513

Rectangle

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



64.3504, 78.7662, 41.9488



55.1951, 78.7662, 75.3768



86.4666, 78.7662, 152.7254



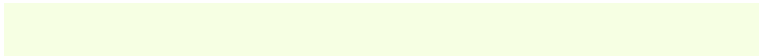
98.7275, 78.7662, 97.0620

Sweetspot

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



64.3524, 78.7697, 41.9505



87.7272, 96.7092, 86.6799



57.8280, 53.1080, 37.3411



18.5956, 20.6178, 18.0168



0.0000, 0.0000, 0.0000



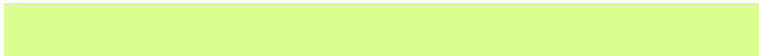
20.3446, 21.4041, 23.3091

Same Dimension

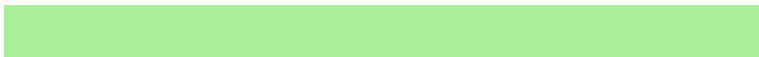
The Same Dimension uses a secret algorithm to generate beautiful new colors.



64.3524, 78.7697, 41.9505



70.2705, 88.7398, 39.3321



53.5766, 73.2146, 41.4462



16.6178, 18.1986, 16.7866



25.7521, 38.5972, 6.0927



2.2439, 3.2633, 0.5116

Inverse Universe

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



45.9450, 38.7792, 87.5061



46.1170, 36.2258, 99.1694



57.4306, 44.7003, 88.0436



15.3588, 15.4667, 19.8975



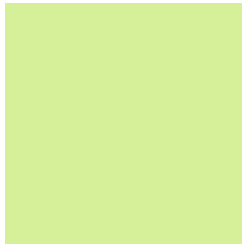
10.2966, 4.3135, 45.4178



0.9549, 0.4095, 3.7829

Previews

White Background



This preview shows how the XYZ color 64.3504, 78.7662, 41.9488 looks on a white background.

Color Contrast Check

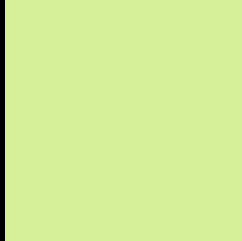
Large Text (above 18pt) WCAG AA × Fail

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 64.3504, 78.7662, 41.9488 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

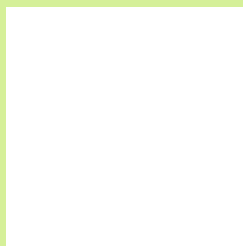
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 64.3504, 78.7662, 41.9488

Background



This preview shows how black text looks on a background with the XYZ color 64.3504, 78.7662, 41.9488.

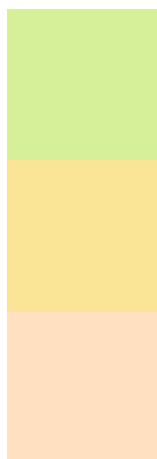


This preview shows how white text looks on a background with the XYZ color 64.3504, 78.7662,

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

64.3504, 78.7662, 41.9488

Protanopia

72.5110, 78.3483, 39.7348

Deuteranopia

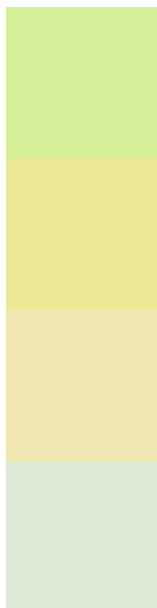
77.5213, 78.4216, 61.5031



Tritanopia

76.1718, 78.9228, 99.2146

Trichromacy



Original Color

64.3504, 78.7662, 41.9488

Protanomaly

69.2360, 78.3127, 40.3209

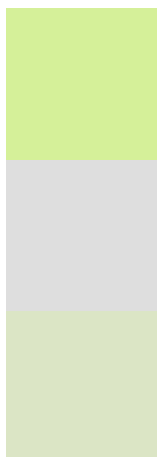
Deuteranomaly

72.2679, 78.3332, 53.4304

Tritanomaly

70.9679, 78.4541, 74.3535

Monochromacy



Original Color

64.3504, 78.7662, 41.9488

Achromatopsia

69.4303, 73.0461, 79.5472

Achromatomaly

67.3108, 75.1299, 63.7772

CSS Examples

Text

The CSS property to change the color of the text to XYZ 64.3504, 78.7662, 41.9488 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(213, 240, 153)` looks like.

```
.text, #text, p{  
    color:rgb(213, 240, 153)  
}
```

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(213, 240, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 240, 153) }
```

Border

The CSS property to change the border of an element to XYZ 64.3504, 78.7662, 41.9488 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(213, 240, 153) }
```


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

```
.border{ border-color:rgb(213, 240, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(213, 240, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 240, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 240, 153);  
box-shadow:4px 4px 4px 4px rgb(213, 240,  
153) }
```

Background

The CSS property to change the background color of an element to XYZ 64.3504, 78.7662, 41.9488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 240, 153) }
```

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

```
.background{ background-color: rgb(213,  
240, 153) }
```

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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