

Converting Colors

XYZ(72.4613, 88.6512, 54.9932)

Have a look what the booklet for
XYZ(72.4613, 88.6512, 54.9932)
contains.

XYZ(72.2745, 88.4850, 54.8650)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(72.2745, 88.4850,
54.8650)**

Conversions

Conversions Part 1

Format	Color
Hex	DBFDB1
RGB	219, 253, 177
RGB Percent	86%, 99%, 69%
CMY	0.1412, 0.0078, 0.3059
CMYK	0.13, 0.00, 0.30, 0.01
HSL	87°, 95%, 84%
HSV	87°, 30%, 99%
XYZ	72.2745, 88.4850, 54.8650
YIQ	234.1700, 4.1320, -30.8440

Conversions

Conversions Part 2

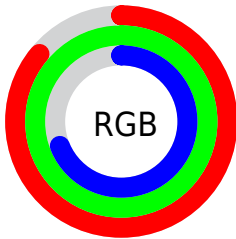
Format	Color
RYB	177, 253, 211
Decimal	14417329
CIELab	95.36, -23.65, 32.86
CIElCh	95, 40.483, 125.744
Yxy	88.4850, 0.3352, 0.4104
Android (android.graphics.Color)	4292607409 (0xFFDBFDB1)
YUV	234.1700, -28.1848, -13.3041
Hunter-Lab	94.0665, -27.4686, 31.2652

Details

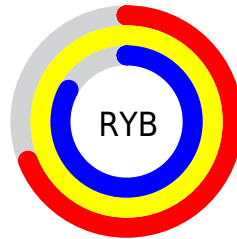
The XYZ color **72.2745, 88.4850, 54.8650** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **60.3194, 52.3875, 99.8661**, and the grayscale version is **78.5421, 82.6324, 89.9867**.

A 20% lighter version of the original color is **91.7080, 98.6632, 91.3012**, and **38.4823, 48.7216, 26.4448** is the 20% darker color. If you saturate the color by 10%, you get **66.6929, 85.8752, 42.6384**, and if you desaturate by 10%, it is **78.5598, 91.4090, 69.5686**.

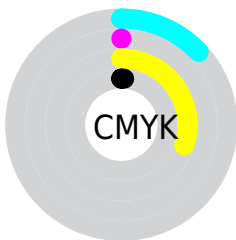
Distribution



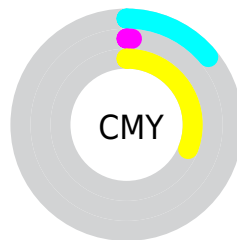
- Red (86%)
- Green (99%)
- Blue (69%)



- Red (69%)
- Yellow (99%)
- Blue (83%)



- Cyan (13%)
- Magenta (0%)
- Yellow (30%)
- Black (1%)




- Cyan (14%)
- Magenta (1%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.2745, 88.4850, 54.8650 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 72.2745, 88.4850, 54.8650 by changing the saturation by 10% instead.


 72.2745, 88.4850,
54.8650

 72.2745, 88.4850,
54.8650


457.6393,
523.0902, 422.6675

 53.6692, 66.7248,
38.8958


 121.4554,
145.2322, 98.8123

 38.5669, 48.8610,
26.3714


152.7617,
180.9880, 127.6275

 26.6022, 34.5092,
16.8735


189.0324,
222.1777, 161.5617

 17.4097, 23.2851,
9.9833

230.6329,
269.1859, 201.0335

 10.6241, 14.8042,
5.2824

277.9285,
322.3968, 246.4614

 5.8801, 8.6821,
2.3523

331.2845,

 2.8123, 4.5344,

382.1949, 298.2641

0.7603

391.0663,
448.9646, 356.8599

■ 1.0553, 1.9768,
0.0000

■ 0.0000, 0.5939,
0.0000

■ 72.2745, 88.4850,
54.8650

■ 72.2745, 88.4850,
54.8650

■ 66.6929, 85.8752,
42.6384

■ 78.5598, 91.4090,
69.5686

■ 61.7778, 83.5552,
32.7464

■ 85.5704, 94.6474,
86.8693

■ 57.4984, 81.5152,
25.0413

■ 93.3351, 98.2153,
106.8867

■ 53.8181, 79.7399,
19.3559

■ 94.4172, 98.7343,
108.6891

■ 50.6955, 78.2123,
15.4990

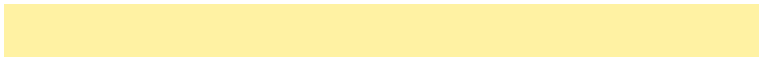
■ 48.0822, 76.9124,
13.2424

■ 45.9097, 75.8129,
12.2137

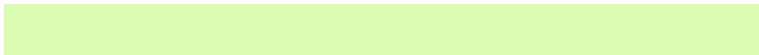
Harmonies

Analogous

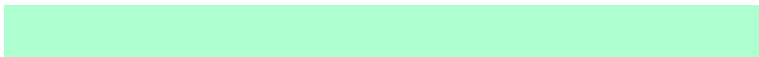
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.9907, 88.4850, 47.5412



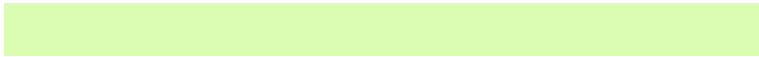
72.2745, 88.4850, 54.8650



66.1557, 88.4850, 73.4157

Triad

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



72.2745, 88.4850, 54.8650



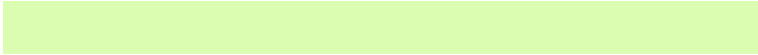
75.6601, 88.4850, 163.2701



107.1004, 88.4850, 90.3739

Complementary

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



72.2745, 88.4850, 54.8650



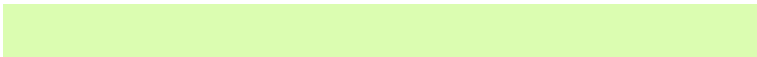
60.3194, 52.3875, 99.8661

Split Complementary

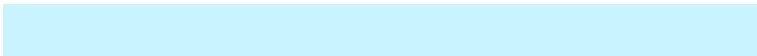
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



105.0324, 88.4850, 123.6116



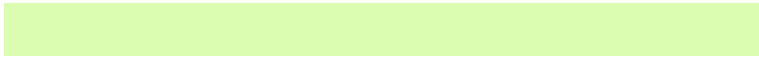
72.2745, 88.4850, 54.8650



86.2499, 88.4850, 170.5890

Square

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



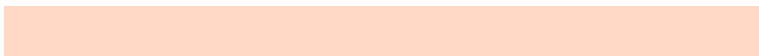
72.2745, 88.4850, 54.8650



67.9870, 88.4850, 136.5088



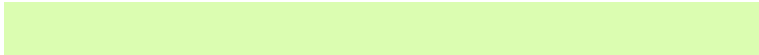
97.1549, 88.4850, 154.7535



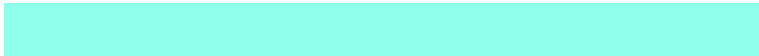
102.5820, 88.4850, 64.9506

Rectangle

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



72.2745, 88.4850, 54.8650



64.6170, 88.4850, 91.8928



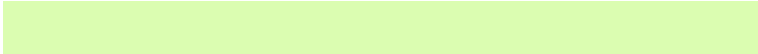
97.1549, 88.4850, 154.7535



107.1570, 88.4850, 100.9390

Sweetspot

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



72.2768, 88.4889, 54.8669



87.8952, 96.7133, 90.4161



71.4773, 70.1204, 51.3636



18.5783, 20.5924, 18.7589



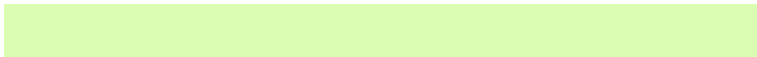
0.0000, 0.0000, 0.0000



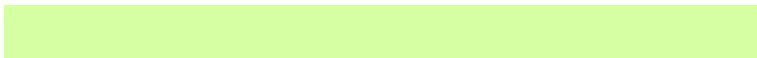
20.3446, 21.4041, 23.3091

Same Dimension

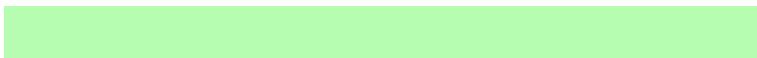
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.2768, 88.4889, 54.8669



70.0990, 88.4567, 48.1236



62.3710, 83.3823, 54.4033



18.7313, 20.6629, 19.1454



24.5914, 40.4154, 6.5049



2.5202, 4.0000, 0.6392

Inverse Universe

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



60.3194, 52.3875, 99.8661



56.1595, 46.3615, 100.5965



72.1430, 58.4828, 100.4194



17.7746, 17.7756, 22.7442



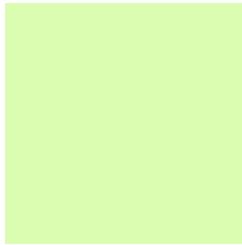
13.2297, 5.7306, 49.8434



1.4116, 0.6216, 4.8589

Previews

White Background



This preview shows how the XYZ color 72.2745, 88.4850, 54.8650 looks on a white background.

Color Contrast Check

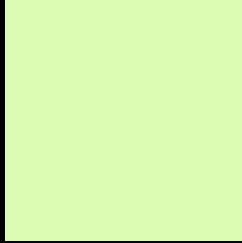
Large Text (above 18pt) WCAG AA × Fail

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 72.2745, 88.4850, 54.8650 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

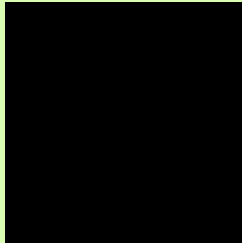
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

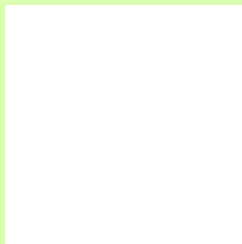
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.2745, 88.4850, 54.8650

Background



This preview shows how black text looks on a background with the XYZ color 72.2745, 88.4850, 54.8650.



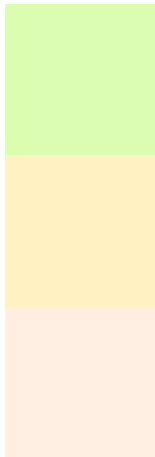
This preview shows how white text looks on a background with the XYZ color 72.2745, 88.4850,

54.8650.

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

72.2745, 88.4850, 54.8650

Protanopia

82.4329, 88.0656, 63.6926

Deuteranopia

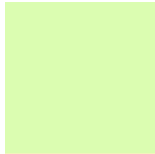
85.4051, 87.8453, 83.6887



Tritanopia

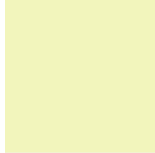
84.0631, 88.3864, 107.2374

Trichromacy



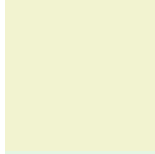
Original Color

72.2745, 88.4850, 54.8650



Protanomaly

78.3475, 87.8129, 60.3972



Deuteranomaly

80.0537, 87.5325, 72.3507



Tritanomaly

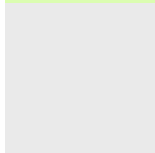
79.1340, 88.1156, 85.5103

Monochromacy



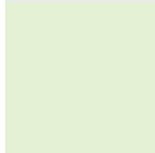
Original Color

72.2745, 88.4850, 54.8650



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.7786, 84.3727, 75.2424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.2745, 88.4850, 54.8650 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(219, 253, 177)` looks like.

```
.text, #text, p{  
    color:rgb(219, 253, 177)  
}
```

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(219, 253, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(219, 253, 177) }
```

Border

The CSS property to change the border of an element to XYZ 72.2745, 88.4850, 54.8650 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(219, 253, 177) }
```


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

```
.border{ border-color:rgb(219, 253, 177) }
```

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

Here you see how a box with a 4 pixel rgb(219, 253, 177) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(219, 253, 177); -webkit-box-  
shadow:4px 4px 4px 4px rgb(219, 253, 177);  
box-shadow:4px 4px 4px 4px rgb(219, 253,  
177) }
```

Background

The CSS property to change the background color of an element to XYZ 72.2745, 88.4850, 54.8650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(219, 253, 177) }
```

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

```
.background{ background-color: rgb(219,  
253, 177) }
```

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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