

Converting Colors

XYZ(72.3132, 87.8485, 56.3231)

Have a look what the booklet for
XYZ(72.3132, 87.8485, 56.3231)
contains.

XYZ(72.5638, 88.1317, 56.3666)	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(72.5638, 88.1317,
56.3666)**

Conversions

Conversions Part 1

Format	Color
Hex	DCFCB4
RGB	220, 252, 180
RGB Percent	86%, 99%, 71%
CMY	0.1373, 0.0117, 0.2941
CMYK	0.13, 0.00, 0.29, 0.01
HSL	87°, 92%, 85%
HSV	87°, 29%, 99%
XYZ	72.5638, 88.1317, 56.3666
YIQ	234.2240, 4.0400, -29.1760

Conversions

Conversions Part 2

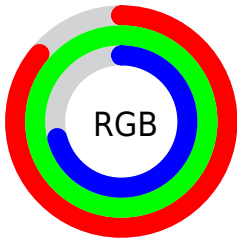
Format	Color
RYB	180, 252, 212
Decimal	14482612
CIELab	95.22, -22.40, 31.16
CIELCh	95, 38.379, 125.710
Yxy	88.1317, 0.3343, 0.4060
Android (android.graphics.Color)	4292672692 (0xFFDCFCB4)
YUV	234.2240, -26.7324, -12.4744
Hunter-Lab	93.8785, -26.3150, 30.1160

Details

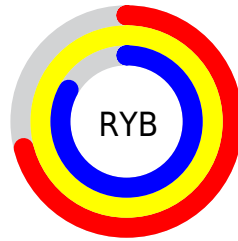
The XYZ color **72.5638, 88.1317, 56.3666** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.0469, 53.6703, 99.2421**, and the grayscale version is **78.5724, 82.6643, 90.0215**.

A 20% lighter version of the original color is **92.1403, 98.8361, 93.5778**, and **38.6557, 48.4550, 27.3941** is the 20% darker color. If you saturate the color by 10%, you get **66.9497, 85.5104, 43.8997**, and if you desaturate by 10%, it is **78.8765, 91.0646, 71.3061**.

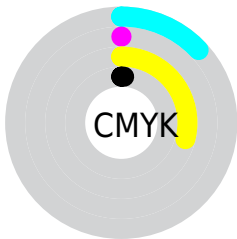
Distribution



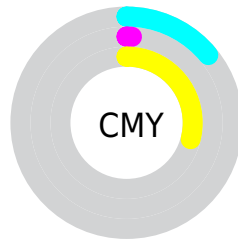
- Red (86%)
- Green (99%)
- Blue (71%)



- Red (71%)
- Yellow (99%)
- Blue (83%)



- Cyan (13%)
- Magenta (0%)
- Yellow (29%)
- Black (1%)





- Cyan (14%)
- Magenta (1%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 72.5638, 88.1317, 56.3666 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 72.5638, 88.1317, 56.3666 by changing the saturation by 10% instead.


 72.5638, 88.1317,
56.3666

 72.5638, 88.1317,
56.3666


458.6288,
521.9344, 428.4987

 53.9065, 66.4321,
40.0910


 121.8642,
144.7405, 101.0315

 38.7573, 48.6233,
27.2951


153.2381,
180.4185, 130.2579

 26.7508, 34.3207,
17.5606


189.5814,
221.5248, 164.6382

 17.5218, 23.1401,
10.4688

231.2597,
268.4438, 204.5911

 10.7048, 14.6970,
5.6012

278.6382,
321.5599, 250.5350

 5.9345, 8.6070,
2.5393

332.0823,

 2.8456, 4.4858,

381.2574, 302.8886

0.8609

391.9574,
447.9208, 362.0703

■ 1.0726, 1.9488,
0.0000

■ 0.0020, 0.5775,
0.0000

■ 72.5638, 88.1317,
56.3666

■ 72.5638, 88.1317,
56.3666

■ 66.9497, 85.5104,
43.8997

■ 78.8765, 91.0646,
71.3061

■ 61.9975, 83.1766,
33.7661

■ 85.9086, 94.3091,
88.8360

■ 57.6774, 81.1208,
25.8216

■ 93.5909, 97.8408,
108.5601

■ 53.9537, 79.3283,
19.9036

■ 94.1022, 98.1044,
108.5841

■ 50.7865, 77.7825,
15.8268

■ 48.1291, 76.4642,
13.3718

■ 45.9170, 75.3469,
12.2267

■ 45.6258, 75.1991,
12.1101

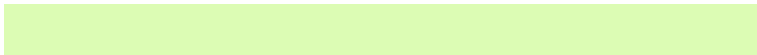
Harmonies

Analogous

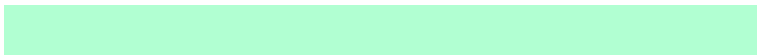
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.7808, 88.1317, 49.2878



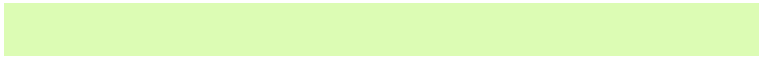
72.5638, 88.1317, 56.3666



66.7344, 88.1317, 74.1565

Triad

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



72.5638, 88.1317, 56.3666



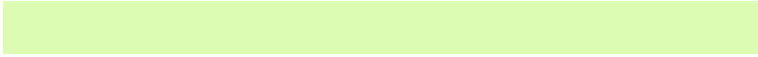
75.7601, 88.1317, 158.6416



105.4225, 88.1317, 90.3413

Complementary

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



72.5638, 88.1317, 56.3666



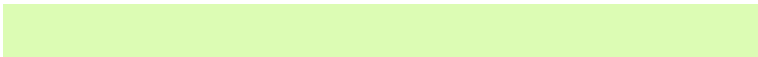
61.0469, 53.6703, 99.2421

Split Complementary

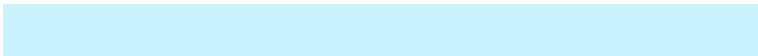
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.4749, 88.1317, 121.6673



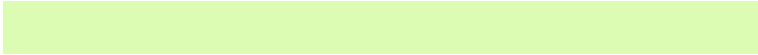
72.5638, 88.1317, 56.3666



85.7842, 88.1317, 165.4691

Square

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



72.5638, 88.1317, 56.3666



68.4694, 88.1317, 133.6731



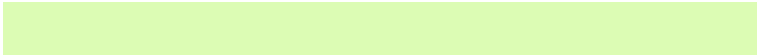
96.0667, 88.1317, 150.7610



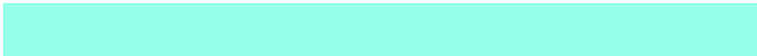
101.1876, 88.1317, 66.1054

Rectangle

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



72.5638, 88.1317, 56.3666



65.2632, 88.1317, 91.7144



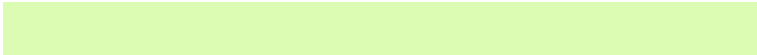
96.0667, 88.1317, 150.7610



105.4732, 88.1317, 100.3356

Sweetspot

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



72.5661, 88.1356, 56.3685



87.9186, 96.7254, 90.4172



71.7304, 70.6818, 53.0436



18.5841, 20.5954, 18.7592



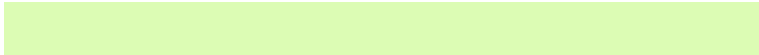
0.0000, 0.0000, 0.0000



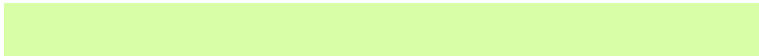
20.3446, 21.4041, 23.3091

Same Dimension

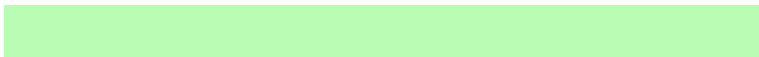
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5661, 88.1356, 56.3685



71.3116, 89.0278, 50.6181



63.0107, 83.2096, 55.9213



17.9395, 19.7846, 18.3357



23.9382, 39.2589, 6.3160



2.3390, 3.6989, 0.5907

Inverse Universe

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



61.0469, 53.6703, 99.2421



57.7949, 48.5782, 100.9381



72.3236, 59.4837, 99.7699



17.0154, 17.0206, 21.7738



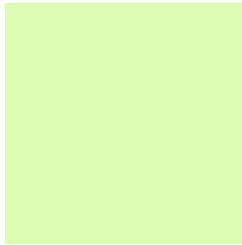
12.7978, 5.5402, 48.3684



1.3051, 0.5749, 4.4854

Previews

White Background



This preview shows how the XYZ color 72.5638, 88.1317, 56.3666 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 72.5638, 88.1317, 56.3666 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

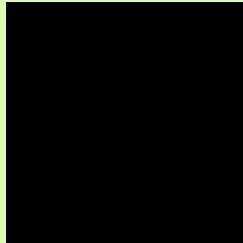
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

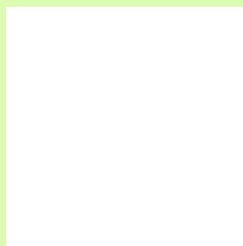
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 72.5638, 88.1317, 56.3666

Background



This preview shows how black text looks on a background with the XYZ color 72.5638, 88.1317, 56.3666.

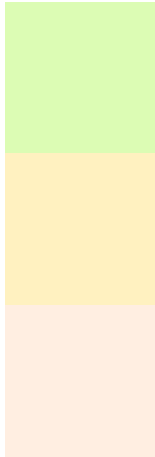


This preview shows how white text looks on a background with the XYZ color 72.5638, 88.1317,

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

72.5638, 88.1317, 56.3666

Protanopia

82.2097, 87.9764, 62.5174

Deuteranopia

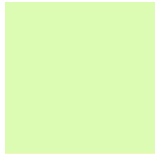
85.4051, 87.8453, 83.6887



Tritanopia

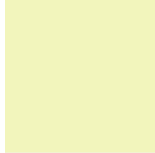
83.4370, 87.6230, 107.1231

Trichromacy



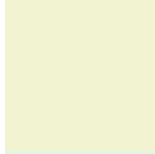
Original Color

72.5638, 88.1317, 56.3666



Protanomaly

78.3475, 87.8129, 60.3972



Deuteranomaly

80.1772, 87.5819, 73.0008



Tritanomaly

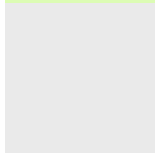
78.9691, 87.5643, 86.1383

Monochromacy



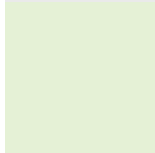
Original Color

72.5638, 88.1317, 56.3666



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

75.9060, 84.4236, 75.9130

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.5638, 88.1317, 56.3666 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(220, 252, 180)` looks like.

```
.text, #text, p{  
    color:rgb(220, 252, 180)  
}
```

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(220, 252, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(220, 252, 180) }
```

Border

The CSS property to change the border of an element to XYZ 72.5638, 88.1317, 56.3666 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(220, 252, 180) }
```


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

```
.border{ border-color:rgb(220, 252, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(220, 252, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(220, 252, 180); -webkit-box-  
shadow:4px 4px 4px 4px rgb(220, 252, 180);  
box-shadow:4px 4px 4px 4px rgb(220, 252,  
180) }
```

Background

The CSS property to change the background color of an element to XYZ 72.5638, 88.1317, 56.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(220, 252, 180) }
```

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

```
.background{ background-color: rgb(220,  
252, 180) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor