

Converting Colors

XYZ(55.1200, 72.1736, 36.3394)

Have a look what the booklet for
XYZ(55.1200, 72.1736, 36.3394)
contains.

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Color

**XYZ(55.2967, 72.4788,
36.2747)**

Conversions

Conversions Part 1

Format	Color
Hex	BBEC8D
RGB	187, 236, 141
RGB Percent	73%, 93%, 55%
CMY	0.2667, 0.0745, 0.4470
CMYK	0.21, 0.00, 0.40, 0.07
HSL	91°, 71%, 74%
HSV	91°, 40%, 93%
XYZ	55.2967, 72.4788, 36.2747
YIQ	210.5190, 1.2910, -39.9330

Conversions

Conversions Part 2

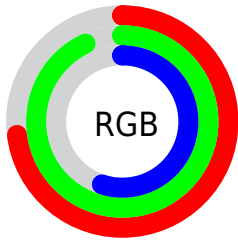
Format	Color
RYB	141, 236, 190
Decimal	12315789
CIELab	88.20, -31.73, 41.01
CIELCh	88, 51.847, 127.730
Yxy	72.4788, 0.3371, 0.4418
Android (android.graphics.Color)	4290505869 (0xFFBBEC8D)
YUV	210.5190, -34.2729, -20.6262
Hunter-Lab	85.1345, -33.0457, 34.3314

Details

The XYZ color **55.2967, 72.4788, 36.2747** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **45.9035, 36.0552, 83.9009**, and the grayscale version is **61.8194, 65.0389, 70.8273**.

A 20% lighter version of the original color is **83.0320, 94.7386, 66.1347**, and **27.6401, 38.2693, 15.3811** is the 20% darker color. If you saturate the color by 10%, you get **50.8719, 70.3817, 27.8577**, and if you desaturate by 10%, it is **60.3519, 74.8621, 46.6772**.

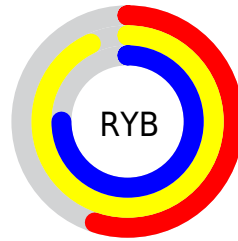
Distribution



Red (73%)

Green (93%)

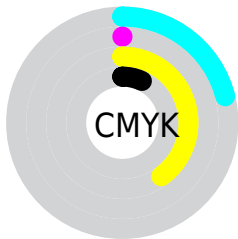
Blue (55%)



Red (55%)

Yellow (93%)

Blue (75%)

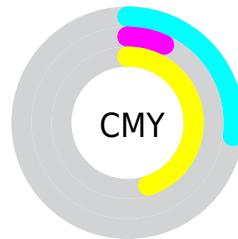


Cyan (21%)

Magenta (0%)

Yellow (40%)

Black (7%)



Cyan (27%)

Magenta (7%)

Yellow (45%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 55.2967, 72.4788, 36.2747 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 55.2967, 72.4788, 36.2747 by changing the saturation by 10% instead.

■ 55.2967, 72.4788,
36.2747

■ 55.2967, 72.4788,
36.2747

397.1538,
469.2064, 345.2333

■ 39.8741, 53.5499,
24.3551

■ 97.1213, 122.7370,
70.6297

■ 27.6242, 38.2419,
15.3826

■ 124.2541,
154.8351, 93.9021

■ 18.1816, 26.1705,
8.9387

156.0209,
192.0917, 121.7958

■ 11.1809, 16.9512,
4.6050

192.7871,
234.8913, 154.7294

■ 6.2568, 10.1997,
1.9628

234.9182,
283.6181, 193.1214

■ 3.0440, 5.5316,
0.5322

282.7794,

■ 1.1771, 2.5624,

338.6566, 237.3903

0.0000

336.7362,
400.3913, 287.9548

0.0882, 0.9078,
0.0000

0.0000, 0.0000,
0.0000

55.2967, 72.4788,
36.2747

55.2967, 72.4788,
36.2747

50.8719, 70.3817,
27.8577

60.3519, 74.8621,
46.6772

47.0417, 68.5485,
21.2949


66.0598, 77.5339,
59.1761


43.7748, 66.9683,
16.4467


72.4484, 80.5085,
73.8793


41.0338, 65.6253,
13.1515

79.5420, 83.7963,
90.8863

 38.7752, 64.5014,
11.2170

 86.7121, 87.1465,
106.8585

 36.9712, 63.5893,
10.3254

 89.2870, 88.4740,
106.9790

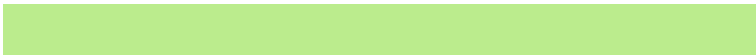
Harmonies

Analogous

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



65.7294, 72.4788, 28.7289



55.2967, 72.4788, 36.2747



49.0858, 72.4788, 55.7529

Triad

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



55.2967, 72.4788, 36.2747



60.2377, 72.4788, 160.5352



95.3365, 72.4788, 70.0787

Complementary

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



55.2967, 72.4788, 36.2747



45.9035, 36.0552, 83.9009

Split Complementary

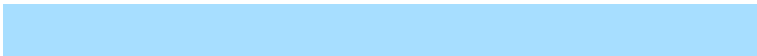
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



93.4090, 72.4788, 107.7449



55.2967, 72.4788, 36.2747



72.1481, 72.4788, 167.8280

Square

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



55.2967, 72.4788, 36.2747



51.6906, 72.4788, 128.5470



84.5438, 72.4788, 146.2277



89.5326, 72.4788, 44.0553

Rectangle

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



55.2967, 72.4788, 36.2747



47.6945, 72.4788, 76.2421



84.5438, 72.4788, 146.2277



95.5827, 72.4788, 81.6539

Sweetspot

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



55.2985, 72.4820, 36.2763



84.9383, 95.3118, 84.7261



57.4928, 55.9391, 32.9675



17.9606, 20.2985, 17.6235



0.0000, 0.0000, 0.0000



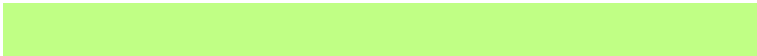
20.3446, 21.4041, 23.3091

Same Dimension

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



55.2985, 72.4820, 36.2763



61.6695, 84.3910, 35.0844



45.7899, 67.5801, 35.8313



15.5625, 17.2200, 16.0223



20.5264, 35.1262, 5.6982



1.7225, 2.8153, 0.4526

Inverse Universe

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



45.9035, 36.0552, 83.9009



49.0795, 35.5863, 98.8898



59.2602, 42.9408, 84.5260



14.9723, 14.9310, 19.0151



12.8995, 5.6858, 44.1606



1.1240, 0.5037, 3.4729

Previews

White Background



This preview shows how the XYZ color 55.2967, 72.4788, 36.2747 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 55.2967, 72.4788, 36.2747 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 55.2967, 72.4788, 36.2747

Background



This preview shows how black text looks on a background with the XYZ color 55.2967, 72.4788, 36.2747.

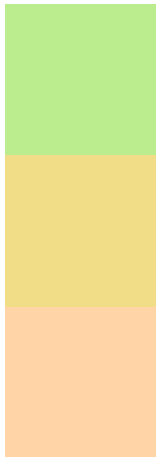


This preview shows how white text looks on a background with the XYZ color 55.2967, 72.4788,

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

55.2967, 72.4788, 36.2747

Protanopia

66.5053, 72.1629, 33.3453

Deuteranopia

72.1021, 71.6757, 47.0804



Tritanopia

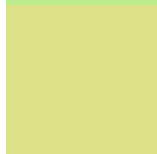
67.0398, 72.2787, 94.4222

Trichromacy



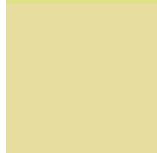
Original Color

55.2967, 72.4788, 36.2747



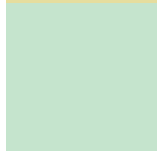
Protanomaly

61.5305, 71.5710, 34.2385



Deuteranomaly

64.6611, 71.0045, 42.6450



Tritanomaly

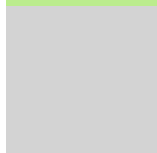
61.7888, 71.7649, 68.3530

Monochromacy



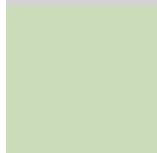
Original Color

55.2967, 72.4788, 36.2747



Achromatopsia

61.9161, 65.1406, 70.9381



Achromatomaly

58.8132, 67.2881, 56.3425

CSS Examples

Text

The CSS property to change the color of the text to XYZ 55.2967, 72.4788, 36.2747 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(187, 236, 141)` looks like.

```
.text, #text, p{  
    color:rgb(187, 236, 141)  
}
```

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(187, 236, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(187, 236, 141) }
```

Border

The CSS property to change the border of an element to XYZ 55.2967, 72.4788, 36.2747 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(187, 236, 141) }
```


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

```
.border{ border-color:rgb(187, 236, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(187, 236, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(187, 236, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(187, 236, 141);  
box-shadow:4px 4px 4px 4px rgb(187, 236,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 55.2967, 72.4788, 36.2747 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(187, 236, 141) }
```

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

```
.background{ background-color: rgb(187,  
236, 141) }
```

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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