

Converting Colors

XYZ(43.5069, 67.2527, 28.2693)

Have a look what the booklet for
XYZ(43.5069, 67.2527, 28.2693)
contains.

XYZ(43.5772, 67.4675, 28.1785)	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(43.5772, 67.4675,
28.1785)**

Conversions

Conversions Part 1

Format	Color
Hex	85EE77
RGB	133, 238, 119
RGB Percent	52%, 93%, 47%
CMY	0.4784, 0.0666, 0.5333
CMYK	0.44, 0.00, 0.50, 0.07
HSL	113°, 78%, 70%
HSV	113°, 50%, 93%
XYZ	43.5772, 67.4675, 28.1785
YIQ	193.0390, -24.3810, -59.2690

Conversions

Conversions Part 2

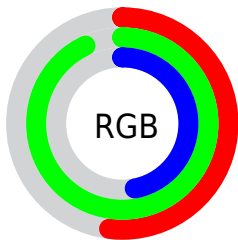
Format	Color
RYB	119, 238, 224
Decimal	8777335
CIELab	85.74, -52.99, 47.96
CIELCh	86, 71.468, 137.850
Yxy	67.4675, 0.3130, 0.4846
Android (android.graphics.Color)	4286967415 (0xFF85EE77)
YUV	193.0390, -36.5012, -52.6542
Hunter-Lab	82.1386, -49.0425, 37.1570

Details

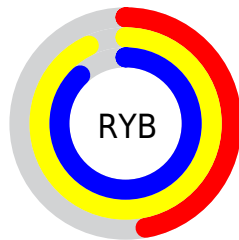
The XYZ color **43.5772, 67.4675, 28.1785** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **52.7731, 35.2161, 84.9084**, and the grayscale version is **50.9312, 53.5835, 58.3525**.

A 20% lighter version of the original color is **64.7887, 85.6135, 52.6455**, and **20.3610, 34.9088, 10.9751** is the 20% darker color. If you saturate the color by 10%, you get **39.3328, 65.4264, 21.4304**, and if you desaturate by 10%, it is **48.8457, 69.9992, 36.8454**.

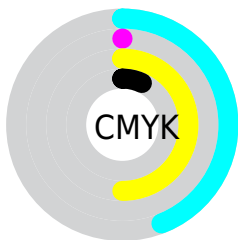
Distribution



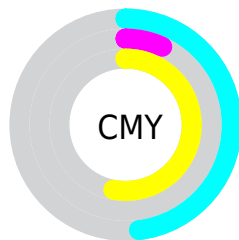
- Red (52%)
- Green (93%)
- Blue (47%)



- Red (47%)
- Yellow (93%)
- Blue (88%)



- Cyan (44%)
- Magenta (0%)
- Yellow (50%)
- Black (7%)



- Cyan (48%)
- Magenta (7%)
- Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.5772, 67.4675, 28.1785 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 43.5772, 67.4675, 28.1785 by changing the saturation by 10% instead.


 43.5772, 67.4675,
28.1785

 43.5772, 67.4675,
28.1785


351.8616,
451.6070, 307.2576


 30.5347, 49.4646,
18.2200


 79.8315, 115.5900,
57.7958

 20.3949, 34.9882,
10.9370


 103.7739,
146.4785, 78.2918

 12.7924, 23.6538,
5.9109

 132.0805,
182.4310, 103.1373

 7.3617, 15.0770,
2.7230

165.1165,
223.8318, 132.7510

 3.7377, 8.8734,
0.9550

203.2472,
271.0655, 167.5513

 1.5548, 4.6587,
0.0000

246.8381,

 0.3627, 2.0485,

324.5163, 207.9568

0.0000

296.2544,
384.5687, 254.3861

0.0000, 0.6354,
0.0000

0.0000, 0.0000,
0.0000

43.5772, 67.4675,
28.1785

43.5772, 67.4675,
28.1785

39.3328, 65.4264,
21.4304

48.8457, 69.9992,
36.8454

36.0405, 63.8360,
16.4512


55.1942, 73.0414,
47.5570


33.6269, 62.6639,
13.0764


62.6803, 76.6234,
60.4335

32.0052, 61.8698,
11.1086

71.3563, 80.7697,
75.5849

 31.0547, 61.3986,
10.2144

 81.2710, 85.5032,
93.1135

 31.0546, 61.3986,
10.2144

 89.8659, 89.6317,
107.1720

Harmonies

Analogous

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



54.9877, 67.4675, 16.8541



43.5772, 67.4675, 28.1785



38.1000, 67.4675, 56.1368

Triad

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



43.5772, 67.4675, 28.1785



57.7509, 67.4675, 200.8425



98.8372, 67.4675, 49.2320

Complementary

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



43.5772, 67.4675, 28.1785



52.7731, 35.2161, 84.9084

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.



99.9178, 67.4675, 94.0256



43.5772, 67.4675, 28.1785



74.2241, 67.4675, 196.3577

Square

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



43.5772, 67.4675, 28.1785



45.3035, 67.4675, 162.1622



90.2914, 67.4675, 151.6919



87.5501, 67.4675, 24.9750

Rectangle

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



43.5772, 67.4675, 28.1785



37.8121, 67.4675, 86.4192



90.2914, 67.4675, 151.6919



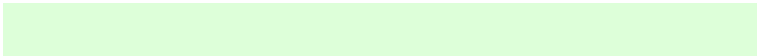
100.4678, 67.4675, 61.8669

Sweetspot

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



43.5789, 67.4704, 28.1800



78.1466, 91.9281, 79.1004



64.7493, 71.8257, 27.9049



16.2743, 19.4602, 16.1421



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.



43.5789, 67.4704, 28.1800



45.9036, 76.4722, 24.9116



44.7624, 67.7053, 45.1893



15.7386, 17.7454, 16.7454



17.3796, 34.2810, 5.7009



1.5016, 2.8806, 0.4769

Inverse Universe

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



52.7731, 35.2161, 84.9084



57.7274, 34.7278, 98.2683



51.6379, 35.2841, 55.3464



16.2605, 15.9315, 19.9397



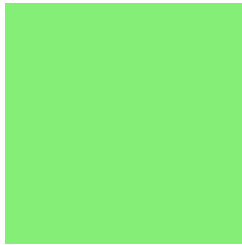
23.5109, 11.1257, 46.0362



2.0072, 0.9520, 3.8322

Previews

White Background



This preview shows how the XYZ color 43.5772, 67.4675, 28.1785 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 43.5772, 67.4675, 28.1785 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 43.5772, 67.4675, 28.1785

Background



This preview shows how black text looks on a background with the XYZ color 43.5772, 67.4675, 28.1785.



This preview shows how white text looks on a background with the XYZ color 43.5772, 67.4675,

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

43.5772, 67.4675, 28.1785

Protanopia

60.8697, 66.3765, 24.3556

Deuteranopia

67.3482, 66.2519, 32.9052



Tritanopia

56.5873, 66.8902, 93.9330

Trichromacy



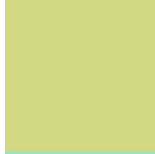
Original Color

43.5772, 67.4675, 28.1785



Protanomaly

52.3906, 65.4406, 25.4928



Deuteranomaly

55.4491, 64.5723, 30.6603



Tritanomaly

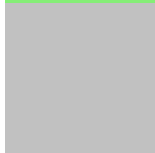
50.3101, 66.3657, 62.9816

Monochromacy



Original Color

43.5772, 67.4675, 28.1785



Achromatopsia

50.6879, 53.3276, 58.0738



Achromatomaly

46.4780, 57.0120, 44.6312

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.5772, 67.4675, 28.1785 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(133, 238, 119)` looks like.

```
.text, #text, p{  
    color:rgb(133, 238, 119)  
}
```

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(133, 238, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 238, 119) }
```

Border

The CSS property to change the border of an element to XYZ 43.5772, 67.4675, 28.1785 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(133, 238, 119) }
```


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

```
.border{ border-color:rgb(133, 238, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 238, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 238, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 238, 119);  
box-shadow:4px 4px 4px 4px rgb(133, 238,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 43.5772, 67.4675, 28.1785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 238, 119) }
```

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

```
.background{ background-color: rgb(133,  
238, 119) }
```

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