

Converting Colors

XYZ(42.2352, 69.8808, 27.7853)

Have a look what the booklet for
XYZ(42.2352, 69.8808, 27.7853)
contains.

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Color

**XYZ(42.2352, 69.8808,
27.7853)**

Conversions

Conversions Part 1

Format	Color
Hex	6EF574
RGB	110, 245, 116
RGB Percent	43%, 96%, 45%
CMY	0.5686, 0.0392, 0.5451
CMYK	0.55, 0.00, 0.53, 0.04
HSL	123°, 87%, 70%
HSV	123°, 55%, 96%
XYZ	42.2352, 69.8808, 27.7853
YIQ	189.9290, -39.0510, -68.7390

Conversions

Conversions Part 2

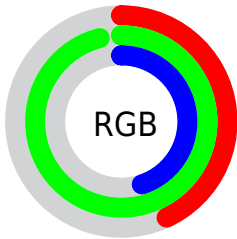
Format	Color
RYB	110, 239, 245
Decimal	7271796
CIELab	86.94, -62.15, 50.62
CIELCh	87, 80.160, 140.837
Yxy	69.8808, 0.3019, 0.4995
Android (android.graphics.Color)	4285461876 (0xFF6EF574)
YUV	189.9290, -36.4470, -70.0977
Hunter-Lab	83.5947, -56.1059, 38.8094

Details

The XYZ color **42.2352, 69.8808, 27.7853** is a light color, and the websafe version is hex **66FF66**. A complement of this color would be **58.8141, 36.7974, 85.6656**, and the grayscale version is **49.1235, 51.6818, 56.2815**.

A 20% lighter version of the original color is **59.9053, 83.1182, 51.4142**, and **19.6798, 36.7374, 10.7564** is the 20% darker color. If you saturate the color by 10%, you get **38.4035, 68.0455, 21.3716**, and if you desaturate by 10%, it is **47.2560, 72.2935, 36.0486**.

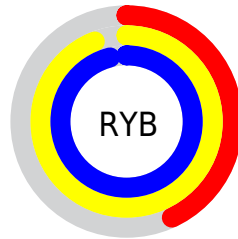
Distribution



Red (43%)

Green (96%)

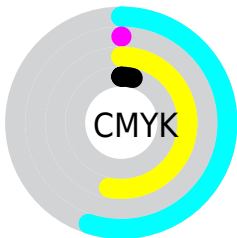
Blue (45%)



Red (43%)

Yellow (94%)

Blue (96%)

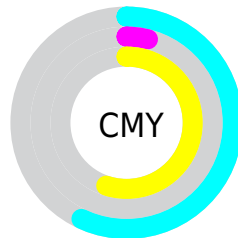


Cyan (55%)

Magenta (0%)

Yellow (53%)

Black (4%)



Cyan (57%)

Magenta (4%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.2352, 69.8808, 27.7853 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 42.2352, 69.8808, 27.7853 by changing the saturation by 10% instead.

42.2352, 69.8808,
27.7853

42.2352, 69.8808,
27.7853

346.4321,
460.1314, 305.3192

29.4774, 51.4294,
17.9262

77.8184, 119.0388,
57.1604

19.5884, 36.5504,
10.7282

101.3745,
150.5141, 77.5136

12.2027, 24.8596,
5.7725

129.2608,
187.0994, 102.2019

6.9551, 15.9725,
2.6407

161.8426,
229.1793, 131.6439

3.4801, 9.5047,
0.9134

199.4853,
277.1380, 166.2580

1.4124, 5.0718,
0.0000

242.5542,

0.2651, 2.2895,

331.3600, 206.4630

0.0000

291.4147,
392.2297, 252.6771

0.0000, 0.7681,
0.0000

0.0000, 0.0000,
0.0000

42.2352, 69.8808,
27.7853

42.2352, 69.8808,
27.7853

38.4035, 68.0455,
21.3716

47.2560, 72.2935,
36.0486

35.6581, 66.7317,
16.6609


53.5475, 75.3168,
46.2839

33.8875, 65.8872,
13.4925

61.1900, 78.9919,
58.6084

32.9537, 65.4451,
11.6727

70.2560, 83.3535,
73.1290

 32.7136, 65.3316,
11.1995

 80.8125, 88.4343,
89.9452

 91.9438, 93.7876,
107.8646

Harmonies

Analogous

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



54.4197, 69.8808, 14.6840



42.2352, 69.8808, 27.7853



36.8423, 69.8808, 60.8238

Triad

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



42.2352, 69.8808, 27.7853



60.8506, 69.8808, 229.9986



106.0639, 69.8808, 44.9915

Complementary

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



42.2352, 69.8808, 27.7853



58.8141, 36.7974, 85.6656

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.



108.6742, 69.8808, 93.7143



42.2352, 69.8808, 27.7853



80.0654, 69.8808, 218.8372

Square

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



42.2352, 69.8808, 27.7853



46.1808, 69.8808, 187.2862



98.4236, 69.8808, 161.5331



91.8459, 69.8808, 20.8771

Rectangle

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



42.2352, 69.8808, 27.7853



36.9657, 69.8808, 97.1654



98.4236, 69.8808, 161.5331



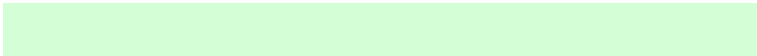
108.4207, 69.8808, 58.3035

Sweetspot

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



42.2369, 69.8837, 27.7869



74.8943, 90.2986, 76.8178



71.5750, 85.0471, 27.3954



15.5885, 19.1150, 15.7352



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.



42.2369, 69.8837, 27.7869



41.6911, 74.3433, 22.7852



47.5281, 72.0002, 55.6499



16.3121, 18.4840, 17.6617



17.6359, 35.1992, 6.1023



1.5603, 3.0978, 0.5906

Inverse Universe

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



58.8141, 36.7974, 85.6656



61.4923, 34.7753, 91.8856



50.7769, 33.5826, 43.3423



17.1799, 16.7548, 20.6941



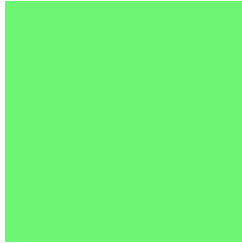
28.3093, 13.6672, 43.1986



2.4978, 1.2051, 3.8477

Previews

White Background



This preview shows how the XYZ color 42.2352, 69.8808, 27.7853 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 42.2352, 69.8808, 27.7853 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

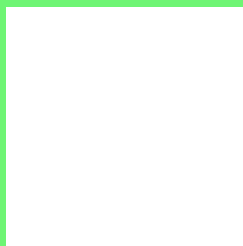
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.2352, 69.8808, 27.7853

Background



This preview shows how black text looks on a background with the XYZ color 42.2352, 69.8808, 27.7853.

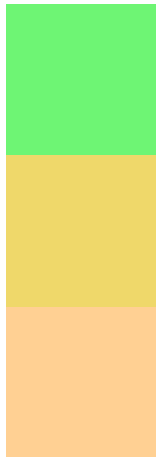


This preview shows how white text looks on a background with the XYZ color 42.2352, 69.8808,

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

42.2352, 69.8808, 27.7853

Protanopia

62.7540, 68.5031, 23.5506

Deuteranopia

69.0623, 68.4783, 37.1814



Tritanopia

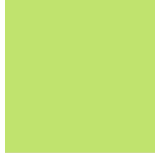
56.6593, 69.6541, 100.0809

Trichromacy



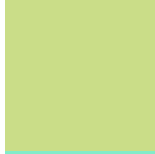
Original Color

42.2352, 69.8808, 27.7853



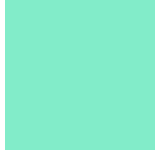
Protanomaly

52.0218, 67.2704, 24.9945



Deuteranomaly

54.6575, 66.0470, 33.1601



Tritanomaly

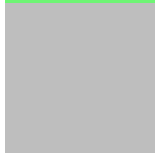
49.7440, 68.9538, 65.9460

Monochromacy



Original Color

42.2352, 69.8808, 27.7853



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.3554, 56.3146, 43.1824

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.2352, 69.8808, 27.7853 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(110, 245, 116)` looks like.

```
.text, #text, p{  
    color:rgb(110, 245, 116)  
}
```

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(110, 245, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 245, 116) }
```

Border

The CSS property to change the border of an element to XYZ 42.2352, 69.8808, 27.7853 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(110, 245, 116) }
```


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

```
.border{ border-color:rgb(110, 245, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 245, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 245, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 245, 116);  
box-shadow:4px 4px 4px 4px rgb(110, 245,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 42.2352, 69.8808, 27.7853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 245, 116) }
```

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

```
.background{ background-color: rgb(110,  
245, 116) }
```

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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