

Converting Colors

XYZ(42.6942, 69.9013, 33.4944)

Have a look what the booklet for
XYZ(42.6942, 69.9013, 33.4944)
contains.

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Color

**XYZ(42.7117, 70.0015,
33.4508)**

Conversions

Conversions Part 1

Format	Color
Hex	69F585
RGB	105, 245, 133
RGB Percent	41%, 96%, 52%
CMY	0.5882, 0.0392, 0.4784
CMYK	0.57, 0.00, 0.46, 0.04
HSL	132°, 88%, 69%
HSV	132°, 57%, 96%
XYZ	42.7117, 70.0015, 33.4508
YIQ	190.3720, -47.4880, -64.5120

Conversions

Conversions Part 2

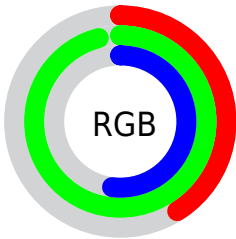
Format	Color
RYB	105, 222, 245
Decimal	6944133
CIELab	87.00, -60.98, 42.63
CIElCh	87, 74.402, 145.042
Yxy	70.0015, 0.2922, 0.4789
Android (android.graphics.Color)	4285134213 (0xFF69F585)
YUV	190.3720, -28.2844, -74.8712
Hunter-Lab	83.6669, -55.2934, 34.8621

Details

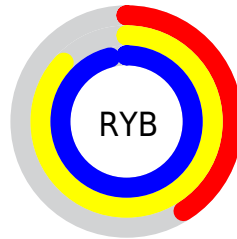
The XYZ color **42.7117, 70.0015, 33.4508** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **55.2342, 34.5266, 69.4005**, and the grayscale version is **49.3373, 51.9066, 56.5263**.

A 20% lighter version of the original color is **60.5630, 83.2578, 60.4553**, and **19.9751, 36.8217, 13.8391** is the 20% darker color. If you saturate the color by 10%, you get **39.0078, 68.2362, 26.8570**, and if you desaturate by 10%, it is **47.5005, 72.3009, 41.4174**.

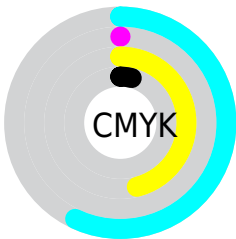
Distribution



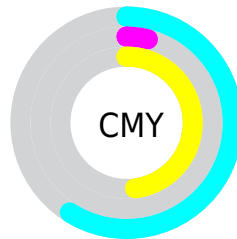
- Red (41%)
- Green (96%)
- Blue (52%)



- Red (41%)
- Yellow (87%)
- Blue (96%)



- Cyan (57%)
- Magenta (0%)
- Yellow (46%)
- Black (4%)



- Cyan (59%)
- Magenta (4%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7117, 70.0015, 33.4508 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 42.7117, 70.0015, 33.4508 by changing the saturation by 10% instead.


 42.7117, 70.0015,
33.4508


 42.7117, 70.0015,
33.4508


348.3664,
460.5553, 332.3703


 29.8525, 51.5278,
22.1981


 78.5341, 119.2109,
66.2028

 19.8742, 36.6288,
13.8028


 102.2279,
150.7153, 88.5392

 12.4114, 24.9202,
7.8465


 130.2641,
187.3321, 115.4071

 7.0987, 16.0176,
3.9105

163.0079,
229.4457, 147.2253

 3.5708, 9.5366,
1.5764

200.8246,
277.4404, 184.4121

 1.4623, 5.0928,
0.2739

244.0798,

 0.3000, 2.3018,

331.7006, 227.3862

0.0000

293.1386,
392.6108, 276.5661

0.0000, 0.7747,
0.0000

0.0000, 0.0000,
0.0000

42.7117, 70.0015,
33.4508

42.7117, 70.0015,
33.4508

39.0078, 68.2362,
26.8570

47.5005, 72.3009,
41.4174

36.2962, 66.9529,
21.5535


53.4465, 75.1641,
50.8234


34.4769, 66.1038,
17.4566


60.6220, 78.6291,
61.7369

33.4215, 65.6247,
14.4700

69.0917, 82.7279,
74.2202

 33.2082, 65.5293,
13.8042

 78.9157, 87.4901,
88.3321

 90.1502, 92.9438,
104.1283

 91.9438, 93.7875,
107.8646

Harmonies

Analogous

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



53.3555, 70.0015, 18.2016



42.7117, 70.0015, 33.4508



38.4627, 70.0015, 68.2367

Triad

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



42.7117, 70.0015, 33.4508



63.6851, 70.0015, 217.0448



101.6755, 70.0015, 42.4345

Complementary

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



42.7117, 70.0015, 33.4508



55.2342, 34.5266, 69.4005

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.



105.7343, 70.0015, 84.8023



42.7117, 70.0015, 33.4508



81.7220, 70.0015, 200.1313

Square

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



42.7117, 70.0015, 33.4508



49.1492, 70.0015, 184.7837



97.8882, 70.0015, 145.3432



87.6003, 70.0015, 21.5780

Rectangle

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



42.7117, 70.0015, 33.4508



39.1757, 70.0015, 103.8850



97.8882, 70.0015, 145.3432



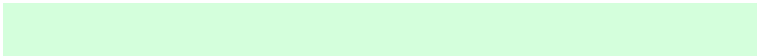
104.3499, 70.0015, 53.9617

Sweetspot

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



42.7134, 70.0044, 33.4524



75.7713, 90.6494, 81.4363



63.8200, 81.0798, 25.6512



15.7927, 19.1967, 16.8105



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.



42.7134, 70.0044, 33.4524



42.0396, 74.4048, 28.1376



49.2595, 72.6228, 67.9235



16.4177, 18.5262, 18.2180



17.9281, 35.3161, 7.6412



1.6108, 3.1180, 0.8562

Inverse Universe

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



55.2342, 34.5266, 69.4005



56.9325, 32.0163, 70.7563



47.9761, 31.6233, 31.1799



17.0633, 16.7082, 20.0797



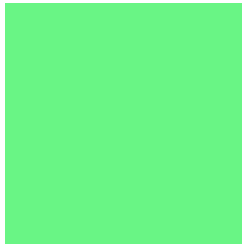
25.7045, 12.6252, 29.4817



2.2944, 1.1237, 2.7768

Previews

White Background



This preview shows how the XYZ color 42.7117, 70.0015, 33.4508 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 42.7117, 70.0015, 33.4508 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

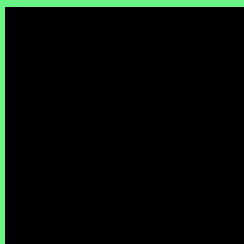
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

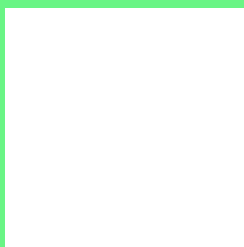
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7117, 70.0015, 33.4508

Background



This preview shows how black text looks on a background with the XYZ color 42.7117, 70.0015, 33.4508.

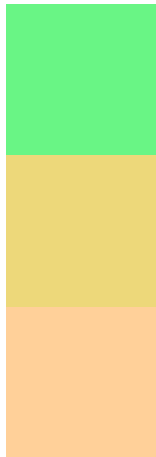


This preview shows how white text looks on a background with the XYZ color 42.7117, 70.0015,

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

42.7117, 70.0015, 33.4508

Protanopia

62.9938, 68.5214, 28.3182

Deuteranopia

69.5456, 68.6717, 39.7265



Tritanopia

56.1036, 69.7662, 100.9517

Trichromacy



Original Color

42.7117, 70.0015, 33.4508



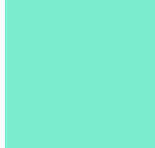
Protanomaly

52.2212, 67.2633, 29.9694



Deuteranomaly

54.8642, 66.0676, 37.0548



Tritanomaly

49.8589, 69.3585, 69.7912

Monochromacy



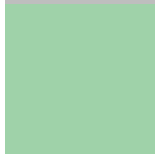
Original Color

42.7117, 70.0015, 33.4508



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

44.5061, 56.3287, 46.0629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7117, 70.0015, 33.4508 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(105, 245, 133)` looks like.

```
.text, #text, p{  
    color:rgb(105, 245, 133)  
}
```

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(105, 245, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 245, 133) }
```

Border

The CSS property to change the border of an element to XYZ 42.7117, 70.0015, 33.4508 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(105, 245, 133) }
```


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

```
.border{ border-color:rgb(105, 245, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 245, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 245, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 245, 133);  
box-shadow:4px 4px 4px 4px rgb(105, 245,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7117, 70.0015, 33.4508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 245, 133) }
```

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

```
.background{ background-color: rgb(105,  
245, 133) }
```

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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