

Converting Colors

XYZ(70.9808, 84.7460, 50.4757)

Have a look what the booklet for
XYZ(70.9808, 84.7460, 50.4757)
contains.

XYZ(70.9519, 84.6611, 50.6319)	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(70.9519, 84.6611,
50.6319)**

Conversions

Conversions Part 1

Format	Color
Hex	E0F6AA
RGB	224, 246, 170
RGB Percent	88%, 96%, 67%
CMY	0.1216, 0.0353, 0.3333
CMYK	0.09, 0.00, 0.31, 0.04
HSL	77°, 81%, 82%
HSV	77°, 31%, 96%
XYZ	70.9519, 84.6611, 50.6319
YIQ	230.7580, 11.2840, -28.3000

Conversions

Conversions Part 2

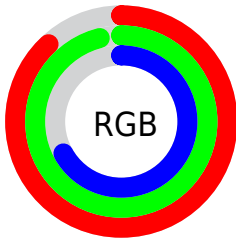
Format	Color
RYB	170, 246, 192
Decimal	14743210
CIELab	93.74, -19.43, 34.25
CIELCh	94, 39.382, 119.567
Yxy	84.6611, 0.3440, 0.4105
Android (android.graphics.Color)	4292933290 (0xFFE0F6AA)
YUV	230.7580, -29.9537, -5.9268
Hunter-Lab	92.0115, -23.3751, 31.7820

Details

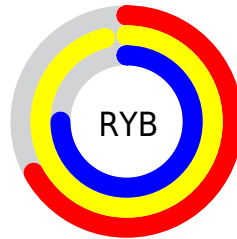
The XYZ color **70.9519, 84.6611, 50.6319** is a light color, and the websafe version is hex **FFFCC**. A complement of this color would be **52.7509, 46.6121, 93.4103**, and the grayscale version is **75.9873, 79.9446, 87.0597**.

A 20% lighter version of the original color is **90.7275, 98.2710, 86.1379**, and **37.7728, 46.4361, 23.8018** is the 20% darker color. If you saturate the color by 10%, you get **66.6783, 82.7048, 39.4001**, and if you desaturate by 10%, it is **75.7578, 86.8467, 64.1650**.

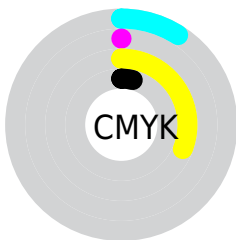
Distribution



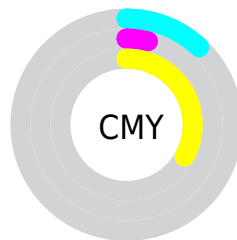
- Red (88%)
- Green (96%)
- Blue (67%)



- Red (67%)
- Yellow (96%)
- Blue (75%)



- Cyan (9%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (12%)
- Magenta (4%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 70.9519, 84.6611, 50.6319 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 70.9519, 84.6611, 50.6319 by changing the saturation by 10% instead.


 70.9519, 84.6611,
50.6319

 70.9519, 84.6611,
50.6319


453.0997,
510.5060, 405.9376

 52.5853, 63.5614,
35.5411


 119.5841,
139.8996, 92.5163

 37.6980, 46.2955,
23.7931


150.5805,
174.8072, 120.1470

 25.9245, 32.4791,
14.9694


186.5175,
215.0861, 152.7947

 16.8996, 21.7277,
8.6515

227.7605,
261.1209, 190.8780

 10.2578, 13.6570,
4.4209

274.6749,
313.2959, 234.8154

 5.6338, 7.8825,
1.8590

327.6260,

 2.6622, 4.0198,

371.9955, 285.0254

0.4664

386.9791,
437.6040, 341.9266

0.9778, 1.6847,
0.0000

0.0000, 0.4137,
0.0000

70.9519, 84.6611,
50.6319

70.9519, 84.6611,
50.6319

66.6783, 82.7048,
39.4001

75.7578, 86.8467,
64.1650

62.9052, 80.9564,
30.3360

81.1130, 89.2600,
80.1123

59.6067, 79.4083,
23.3006

87.0419, 91.9137,
98.5857

56.7518, 78.0479,
18.1363

91.3306, 93.9224,
107.9229

■ 54.3051, 76.8609,
14.6627

■ 92.2476, 94.3951,
107.9659

■ 52.2243, 75.8303,
12.6636

■ 50.5871, 75.0035,
11.8109

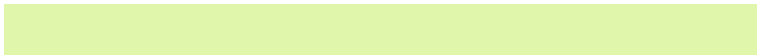
Harmonies

Analogous

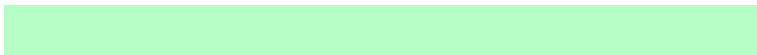
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



80.6198, 84.6611, 45.7701



70.9519, 84.6611, 50.6319



64.3521, 84.6611, 65.9903

Triad

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



70.9519, 84.6611, 50.6319



70.7103, 84.6611, 151.2540



102.2864, 84.6611, 92.6172

Complementary

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



70.9519, 84.6611, 50.6319



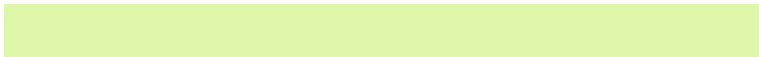
52.7509, 46.6121, 93.4103

Split Complementary

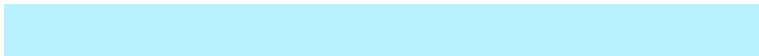
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.0718, 84.6611, 124.5211



70.9519, 84.6611, 50.6319



80.3160, 84.6611, 162.5551

Square

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



70.9519, 84.6611, 50.6319



64.2213, 84.6611, 123.6027



90.7987, 84.6611, 151.8599



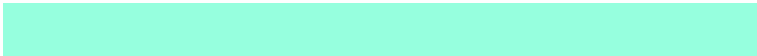
99.2464, 84.6611, 66.5951

Rectangle

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



70.9519, 84.6611, 50.6319



62.2752, 84.6611, 82.1457



90.7987, 84.6611, 151.8599



101.8976, 84.6611, 103.0032

Sweetspot

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



70.9541, 84.6648, 50.6337



89.1700, 97.3705, 90.4758



64.0121, 59.9924, 46.2373



18.8929, 20.7546, 18.7736



0.0000, 0.0000, 0.0000



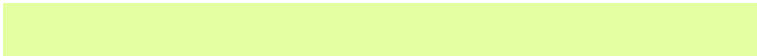
20.3446, 21.4041, 23.3091

Same Dimension

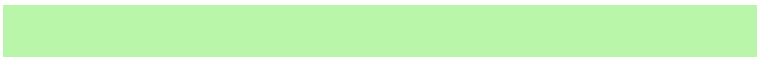
The Same Dimension uses a secret algorithm to generate beautiful new colors.



70.9541, 84.6648, 50.6337



74.0564, 90.5230, 47.1261



60.5776, 79.3156, 50.1481



17.4200, 19.0585, 17.5581



27.1459, 40.1070, 6.3107



2.4874, 3.5774, 0.5594

Inverse Universe

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



52.7509, 46.6121, 93.4103



51.4648, 43.2748, 100.2481



63.4959, 52.1513, 93.9132



16.0319, 16.1591, 20.8166



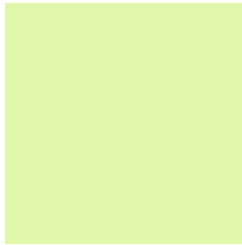
10.3947, 4.3330, 46.8265



1.0112, 0.4311, 4.1202

Previews

White Background



This preview shows how the XYZ color 70.9519, 84.6611, 50.6319 looks on a white background.

Color Contrast Check

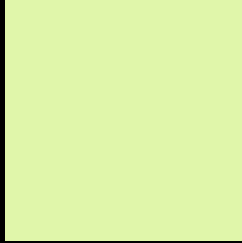
Large Text (above 18pt) WCAG AA × Fail

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 70.9519, 84.6611, 50.6319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

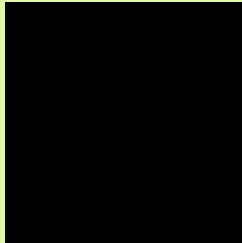
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 70.9519, 84.6611, 50.6319

Background



This preview shows how black text looks on a background with the XYZ color 70.9519, 84.6611, 50.6319.

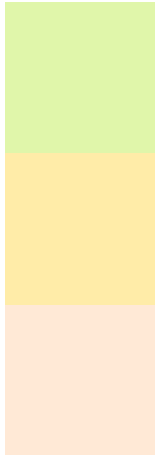


This preview shows how white text looks on a background with the XYZ color 70.9519, 84.6611,

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

70.9519, 84.6611, 50.6319

Protanopia

78.3033, 84.0781, 49.1474

Deuteranopia

82.5165, 84.3929, 75.5587



Tritanopia

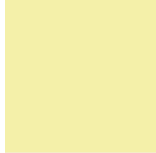
81.8587, 84.2346, 105.7104

Trichromacy



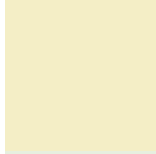
Original Color

70.9519, 84.6611, 50.6319



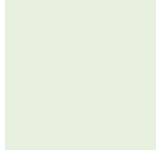
Protanomaly

75.6297, 84.4178, 49.8443



Deuteranomaly

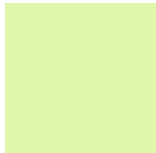
78.0758, 84.4594, 65.6133



Tritanomaly

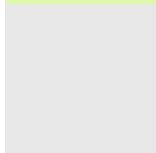
77.1408, 84.0496, 81.9695

Monochromacy



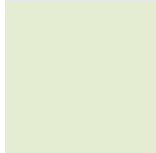
Original Color

70.9519, 84.6611, 50.6319



Achromatopsia

75.9547, 79.9103, 87.0223



Achromatomaly

73.4990, 81.0883, 72.0994

CSS Examples

Text

The CSS property to change the color of the text to XYZ 70.9519, 84.6611, 50.6319 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(224, 246, 170)` looks like.

```
.text, #text, p{  
    color:rgb(224, 246, 170)  
}
```

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(224, 246, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 246, 170) }
```

Border

The CSS property to change the border of an element to XYZ 70.9519, 84.6611, 50.6319 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(224, 246, 170) }
```


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

```
.border{ border-color:rgb(224, 246, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 246, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 246, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 246, 170);  
box-shadow:4px 4px 4px 4px rgb(224, 246,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 70.9519, 84.6611, 50.6319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 246, 170) }
```

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

```
.background{ background-color: rgb(224,  
246, 170) }
```

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