

Converting Colors

XYZ(71.6589, 84.5676, 49.6723)

Have a look what the booklet for
XYZ(71.6589, 84.5676, 49.6723)
contains.

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Color

**XYZ(71.7152, 84.6259,
49.6004)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F5A8
RGB	228, 245, 168
RGB Percent	89%, 96%, 66%
CMY	0.1059, 0.0392, 0.3412
CMYK	0.07, 0.00, 0.31, 0.04
HSL	73°, 79%, 81%
HSV	73°, 31%, 96%
XYZ	71.7152, 84.6259, 49.6004
YIQ	231.1390, 14.5850, -27.5510

Conversions

Conversions Part 2

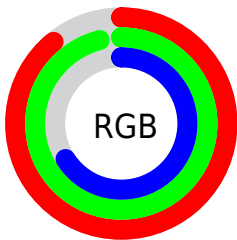
Format	Color
RYB	168, 245, 185
Decimal	15005096
CIELab	93.72, -17.75, 35.29
CIElCh	94, 39.498, 116.699
Yxy	84.6259, 0.3482, 0.4109
Android (android.graphics.Color)	4293195176 (0xFFE4F5A8)
YUV	231.1390, -31.1275, -2.7529
Hunter-Lab	91.9923, -21.8319, 32.4267

Details

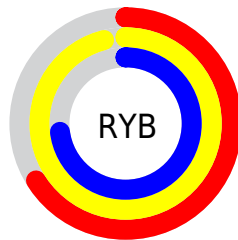
The XYZ color **71.7152, 84.6259, 49.6004** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **50.4949, 44.9143, 92.3989**, and the grayscale version is **76.2779, 80.2503, 87.3926**.

A 20% lighter version of the original color is **90.4545, 98.1618, 84.7007**, and **38.3054, 46.4037, 23.1575** is the 20% darker color. If you saturate the color by 10%, you get **67.9554, 82.9297, 38.6117**, and if you desaturate by 10%, it is **75.9631, 86.5294, 62.8600**.

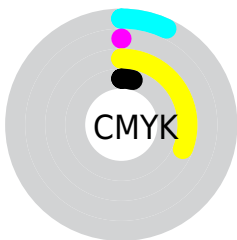
Distribution



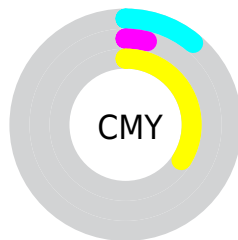
- Red (89%)
- Green (96%)
- Blue (66%)



- Red (66%)
- Yellow (96%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (31%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.7152, 84.6259, 49.6004 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 71.7152, 84.6259, 49.6004 by changing the saturation by 10% instead.


 71.7152, 84.6259,
49.6004

 71.7152, 84.6259,
49.6004


455.7227,
510.3894, 401.7914

 53.2107, 63.5323,
34.7270


 120.6645,
139.8504, 90.9727

 38.1991, 46.2720,
23.1708


151.8401,
174.7501, 118.3088

 26.3152, 32.4605,
14.5132


187.9700,
215.0206, 150.6361

 17.1935, 21.7135,
8.3357

229.4196,
261.0463, 188.3733

 10.4687, 13.6465,
4.2196

276.5544,
313.2117, 231.9389

 5.7755, 7.8752,
1.7466


329.7396,


 2.7484, 4.0152,


371.9010, 281.7514


0.3924


389.3406,
437.4988, 338.2294


 1.0221, 1.6821,
0.0000


 0.0000, 0.4120,
0.0000

 71.7152, 84.6259,
49.6004


 71.7152, 84.6259,
49.6004


 67.9554, 82.9297,
38.6117

 75.9631, 86.5294,
62.8600


 64.6526, 81.4195,
29.7611

 80.7155, 88.6380,
78.5028

 61.7818, 80.0882,
22.9102

 85.9958, 90.9641,
96.6398

 59.3127, 78.9236,
17.9020

 90.0008, 92.7865,
107.7738

■ 57.2107, 77.9119,
14.5565

■ 91.9442, 93.7884,
107.8647

■ 55.4340, 77.0362,
12.6572

■ 54.1146, 76.3716,
11.8891

Harmonies

Analogous

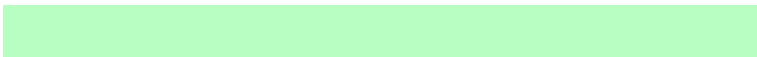
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.6005, 84.6259, 45.6987



71.7152, 84.6259, 49.6004



64.7390, 84.6259, 63.9483

Triad

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



71.7152, 84.6259, 49.6004



69.8692, 84.6259, 149.2902



102.2781, 84.6259, 95.5070

Complementary

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



71.7152, 84.6259, 49.6004



50.4949, 44.9143, 92.3989

Split Complementary

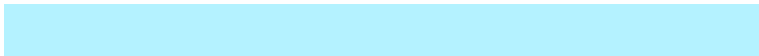
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



98.4812, 84.6259, 127.6035



71.7152, 84.6259, 49.6004



79.2794, 84.6259, 162.6094

Square

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



71.7152, 84.6259, 49.6004



63.7400, 84.6259, 120.5840



89.8331, 84.6259, 153.9223



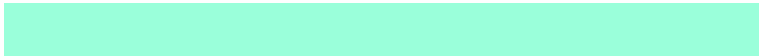
99.8154, 84.6259, 68.5679

Rectangle

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



71.7152, 84.6259, 49.6004



62.3729, 84.6259, 79.4919



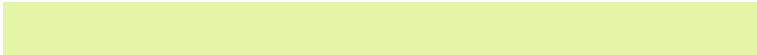
89.8331, 84.6259, 153.9223



101.6839, 84.6259, 106.0703

Sweetspot

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



71.7173, 84.6297, 49.6022



89.7325, 97.6604, 90.5021



62.0098, 56.8077, 44.7437



19.0321, 20.8264, 18.7802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

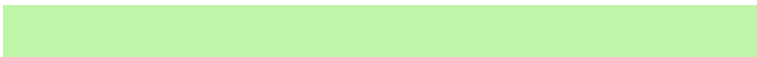
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.7173, 84.6297, 49.6022



75.7409, 91.4170, 46.0462



60.9126, 79.0596, 49.0965



17.5357, 19.1182, 17.5635



29.2748, 41.2045, 6.4103



2.6592, 3.6659, 0.5674

Inverse Universe

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



50.4949, 44.9143, 92.3989



49.0000, 41.3512, 100.0067



60.9748, 50.3170, 92.8893



15.9234, 16.1031, 20.8115



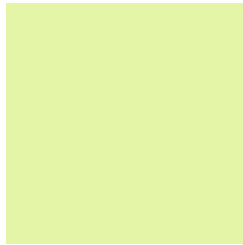
9.7977, 4.0252, 46.7986



0.9456, 0.3973, 4.1171

Previews

White Background



This preview shows how the XYZ color 71.7152, 84.6259, 49.6004 looks on a white background.

Color Contrast Check

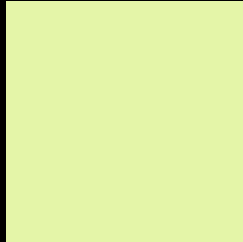
Large Text (above 18pt) WCAG AA × Fail

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 71.7152, 84.6259, 49.6004 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

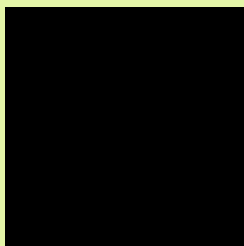
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

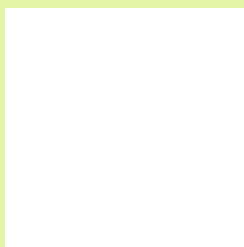
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 71.7152, 84.6259, 49.6004

Background



This preview shows how black text looks on a background with the XYZ color 71.7152, 84.6259, 49.6004.



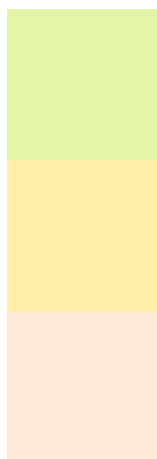
This preview shows how white text looks on a background with the XYZ color 71.7152, 84.6259,

49.6004.

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

71.7152, 84.6259, 49.6004

Protanopia

78.5921, 84.6555, 49.2437

Deuteranopia

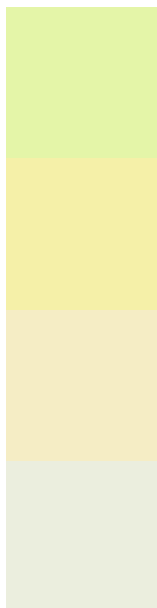
82.5165, 84.3929, 75.5587



Tritanopia

82.7490, 84.2882, 104.8364

Trichromacy



Original Color

71.7152, 84.6259, 49.6004

Protanomaly

75.8842, 84.5598, 49.3679

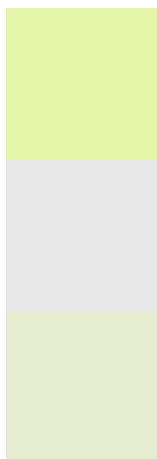
Deuteranomaly

78.0184, 84.0121, 64.9273

Tritanomaly

78.0203, 84.0852, 81.2252

Monochromacy



Original Color

71.7152, 84.6259, 49.6004

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

74.0137, 81.3680, 71.4792

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7152, 84.6259, 49.6004 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(228, 245, 168)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 168)  
}
```

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(228, 245, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 168) }
```

Border

The CSS property to change the border of an element to XYZ 71.7152, 84.6259, 49.6004 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(228, 245, 168) }
```


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

```
.border{ border-color:rgb(228, 245, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 245, 168); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 245, 168);  
box-shadow:4px 4px 4px 4px rgb(228, 245,  
168) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7152, 84.6259, 49.6004 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 168) }
```

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

```
.background{ background-color: rgb(228,  
245, 168) }
```

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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