

Converting Colors

XYZ(71.4621, 84.8586, 46.9473)

Have a look what the booklet for
XYZ(71.4621, 84.8586, 46.9473)
contains.

XYZ(71.4723, 85.0141, 46.8248)	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(71.4723, 85.0141,
46.8248)**

Conversions

Conversions Part 1

Format	Color
Hex	E4F6A2
RGB	228, 246, 162
RGB Percent	89%, 96%, 64%
CMY	0.1059, 0.0353, 0.3647
CMYK	0.07, 0.00, 0.34, 0.04
HSL	73°, 82%, 80%
HSV	73°, 34%, 96%
XYZ	71.4723, 85.0141, 46.8248
YIQ	231.0420, 16.2360, -29.9400

Conversions

Conversions Part 2

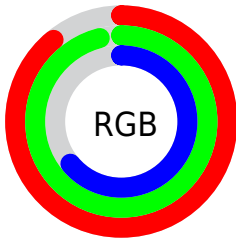
Format	Color
RYB	162, 246, 180
Decimal	15005346
CIELab	93.89, -18.98, 38.50
CIElCh	94, 42.927, 116.245
Yxy	85.0141, 0.3515, 0.4181
Android (android.graphics.Color)	4293195426 (0xFFE4F6A2)
YUV	231.0420, -34.0377, -2.6678
Hunter-Lab	92.2031, -22.9891, 34.4321

Details

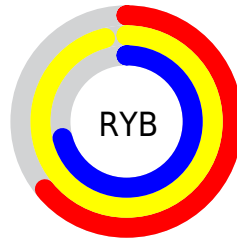
The XYZ color **71.4723, 85.0141, 46.8248** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **48.3805, 42.2000, 92.7890**, and the grayscale version is **76.2257, 80.1954, 87.3328**.

A 20% lighter version of the original color is **89.6549, 97.8420, 80.4897**, and **38.1870, 46.7017, 21.4697** is the 20% darker color. If you saturate the color by 10%, you get **67.8494, 83.3775, 36.3358**, and if you desaturate by 10%, it is **75.5784, 86.8557, 59.5727**.

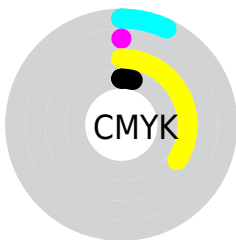
Distribution



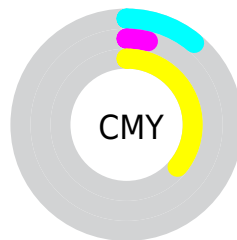
- Red (89%)
- Green (96%)
- Blue (64%)



- Red (64%)
- Yellow (96%)
- Blue (71%)



- Cyan (7%)
- Magenta (0%)
- Yellow (34%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.4723, 85.0141, 46.8248 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 71.4723, 85.0141, 46.8248 by changing the saturation by 10% instead.


 71.4723, 85.0141,
46.8248


 71.4723, 85.0141,
46.8248


454.8890,
511.6747, 390.4883

 53.0116, 63.8530,
32.5438


 120.3209,
140.3929, 86.7993

 38.0396, 46.5316,
21.5090


 151.4394,
175.3794, 113.3299

 26.1908, 32.6656,
13.3017


187.5081,
215.7431, 144.7807

 17.0998, 21.8704,
7.5035

228.8921,
261.8686, 181.5704

 10.4014, 13.7617,
3.6957

275.9568,
314.1400, 224.1175

 5.7302, 7.9551,
1.4599

329.0676,

 2.7208, 4.0662,

372.9420, 272.8405

0.1878

388.5899,
438.6587, 328.1579

■ 1.0079, 1.7107,
0.0000

■ 0.0000, 0.4306,
0.0000

■ 71.4723, 85.0141,
46.8248

■ 71.4723, 85.0141,
46.8248

■ 67.8494, 83.3775,
36.3358

■ 75.5784, 86.8557,
59.5727

■ 64.6776, 81.9244,
27.9683

■ 80.1846, 88.9003,
74.6953

■ 61.9311, 80.6471,
21.5785

■ 85.3150, 91.1606,
92.3071

■ 59.5783, 79.5330,
17.0024

■ 90.1073, 93.2918,
107.8657

■ 57.5825, 78.5674,
14.0495

■ 92.0143, 94.2749,
107.9549

■ 55.8991, 77.7324,
12.4875

■ 92.2475, 94.3951,
107.9658

■ 55.0205, 77.2890,
12.0184

Harmonies

Analogous

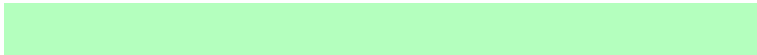
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.2505, 85.0141, 42.9072



71.4723, 85.0141, 46.8248



63.8793, 85.0141, 61.8226

Triad

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



71.4723, 85.0141, 46.8248



69.2008, 85.0141, 155.3511



104.7678, 85.0141, 96.7474

Complementary

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



71.4723, 85.0141, 46.8248



48.3805, 42.2000, 92.7890

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.



100.4801, 85.0141, 132.1115



71.4723, 85.0141, 46.8248



79.3733, 85.0141, 170.6135

Square

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



71.4723, 85.0141, 46.8248



62.6572, 85.0141, 123.2704



90.9131, 85.0141, 161.2426



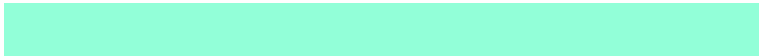
102.1529, 85.0141, 67.4369

Rectangle

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



71.4723, 85.0141, 46.8248



61.2874, 85.0141, 78.3976



90.9131, 85.0141, 161.2426



104.0763, 85.0141, 108.3460

Sweetspot

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



71.4744, 85.0179, 46.8266



89.2304, 97.4432, 88.6008



60.6106, 54.3640, 41.4824



18.9340, 20.7841, 18.4015



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

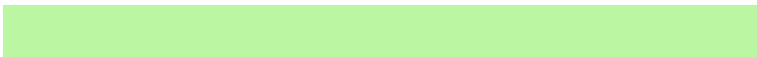
The Same Dimension uses a secret algorithm to generate beautiful new colors.



71.4744, 85.0179, 46.8266



74.7721, 90.9914, 42.6667



60.0227, 79.1143, 46.2907



17.5467, 19.1239, 17.5640



29.4892, 41.3150, 6.4204



2.6763, 3.6747, 0.5682

Inverse Universe

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



48.3805, 42.2000, 92.7890



46.2308, 38.0448, 99.5145



59.3156, 47.8373, 93.3007



15.9131, 16.0979, 20.8111



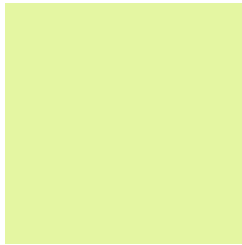
9.7501, 4.0007, 46.7963



0.9401, 0.3945, 4.1168

Previews

White Background



This preview shows how the XYZ color 71.4723, 85.0141, 46.8248 looks on a white background.

Color Contrast Check

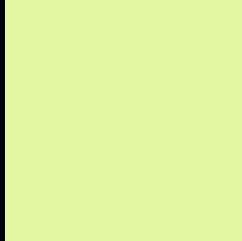
Large Text (above 18pt) WCAG AA × Fail

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 71.4723, 85.0141, 46.8248 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 71.4723, 85.0141, 46.8248

Background



This preview shows how black text looks on a background with the XYZ color 71.4723, 85.0141, 46.8248.

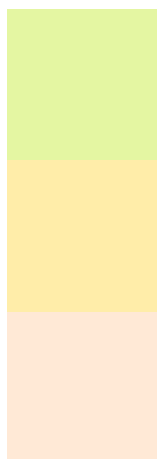


This preview shows how white text looks on a background with the XYZ color 71.4723, 85.0141,

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

71.4723, 85.0141, 46.8248

Protanopia

78.6856, 84.6929, 49.7363

Deuteranopia

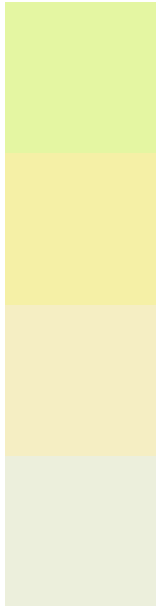
82.5165, 84.3929, 75.5587



Tritanopia

83.3731, 85.0338, 104.9474

Trichromacy



Original Color

71.4723, 85.0141, 46.8248

Protanomaly

75.6992, 84.4858, 48.3940

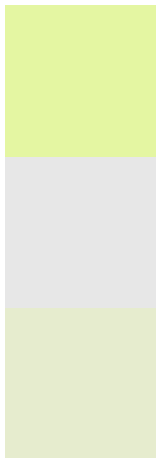
Deuteranomaly

78.0811, 84.5017, 63.8249

Tritanomaly

78.3768, 84.7332, 79.9344

Monochromacy



Original Color

71.4723, 85.0141, 46.8248

Achromatopsia

75.9547, 79.9103, 87.0223

Achromatomaly

73.7692, 81.2701, 70.1912

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.4723, 85.0141, 46.8248 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, 246, 162)` looks like.

```
.text, #text, p{  
    color:rgb(228, 246, 162)  
}
```

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, 246, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 246, 162) }
```

Border

The CSS property to change the border of an element to XYZ 71.4723, 85.0141, 46.8248 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, 246, 162) }
```


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

```
.border{ border-color:rgb(228, 246, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 246, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 246, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 246, 162);  
box-shadow:4px 4px 4px 4px rgb(228, 246,  
162) }
```

Background

The CSS property to change the background color of an element to XYZ 71.4723, 85.0141, 46.8248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 246, 162) }
```

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

```
.background{ background-color: rgb(228,  
246, 162) }
```

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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