

Converting Colors

XYZ(49.5452, 70.9038, 30.3155)

Have a look what the booklet for
XYZ(49.5452, 70.9038, 30.3155)
contains.

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Color

**XYZ(49.6724, 71.0002,
30.4884)**

Conversions

Conversions Part 1

Format	Color
Hex	A3EF7D
RGB	163, 239, 125
RGB Percent	64%, 94%, 49%
CMY	0.3608, 0.0627, 0.5098
CMYK	0.32, 0.00, 0.48, 0.06
HSL	100°, 78%, 71%
HSV	100°, 48%, 94%
XYZ	49.6724, 71.0002, 30.4884
YIQ	203.2800, -8.7020, -51.5660

Conversions

Conversions Part 2

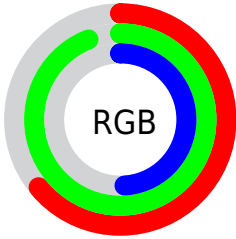
Format	Color
RYB	125, 239, 201
Decimal	10743677
CIELab	87.49, -43.31, 47.58
CIELCh	87, 64.340, 132.313
Yxy	71.0002, 0.3286, 0.4697
Android (android.graphics.Color)	4288933757 (0xFFA3EF7D)
YUV	203.2800, -38.5920, -35.3256
Hunter-Lab	84.2616, -42.2317, 37.5302

Details

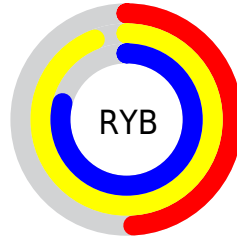
The XYZ color **49.6724, 71.0002, 30.4884** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **47.0043, 33.3189, 85.6191**, and the grayscale version is **57.1813, 60.1592, 65.5134**.

A 20% lighter version of the original color is **73.4119, 89.9903, 56.1485**, and **24.1995, 37.4738, 12.2611** is the 20% darker color. If you saturate the color by 10%, you get **45.2664, 68.8867, 23.2489**, and if you desaturate by 10%, it is **54.8604, 73.4787, 39.6848**.

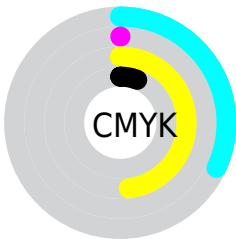
Distribution



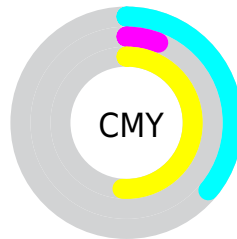
- Red (64%)
- Green (94%)
- Blue (49%)



- Red (49%)
- Yellow (94%)
- Blue (79%)



- Cyan (32%)
- Magenta (0%)
- Yellow (48%)
- Black (6%)





- Cyan (36%)
- Magenta (6%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.6724, 71.0002, 30.4884 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 49.6724, 71.0002, 30.4884 by changing the saturation by 10% instead.


 49.6724, 71.0002,
30.4884

 49.6724, 71.0002,
30.4884

375.8566,
464.0541, 318.4523


 35.3699, 52.3424,
19.9544


 88.8840, 120.6340,
61.5038

 24.1158, 37.2780,
12.1782

 114.5239,
152.3788, 82.8223

 15.5447, 25.4228,
6.7411

 144.6735,
189.2546, 108.5727

 9.2914, 16.3924,
3.2247

179.6984,
231.6460, 139.1736

 4.9904, 9.8022,
1.2105

219.9637,
279.9372, 175.0434

 2.2763, 5.2680,
0.0000


265.8350,

 0.7825, 2.4054,


334.5127, 216.6008


0.0000


317.6775,
395.7569, 264.2642


 0.0000, 0.8286,
0.0000


 0.0000, 0.0000,
0.0000


 49.6724, 71.0002,
30.4884


 49.6724, 71.0002,
30.4884


 45.2664, 68.8867,
23.2489


 54.8604, 73.4787,
39.6848

 41.5951, 67.1104,
17.8200


 60.8637, 76.3302,
50.9612


 38.6137, 65.6540,
14.0420


 67.7199, 79.5735,
64.4360


 36.2691, 64.4941,
11.7256

 75.4625, 83.2237,
80.2175

 34.4944, 63.6020,
10.6163

 84.1231, 87.2948,
98.4068

 34.1477, 63.4267,
10.4428

 90.1580, 90.2160,
107.2693

Harmonies

Analogous

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



61.4458, 71.0002, 21.0048



49.6724, 71.0002, 30.4884



43.3101, 71.0002, 54.5803

Triad

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



49.6724, 71.0002, 30.4884



58.9946, 71.0002, 187.4958



100.2233, 71.0002, 60.8087

Complementary

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



49.6724, 71.0002, 30.4884



47.0043, 33.3189, 85.6191

Split Complementary

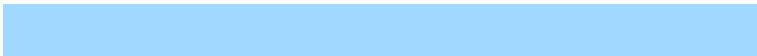
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



99.3037, 71.0002, 105.6015



49.6724, 71.0002, 30.4884



73.9045, 71.0002, 191.1832

Square

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



49.6724, 71.0002, 30.4884



48.1107, 71.0002, 148.3796



89.1124, 71.0002, 157.1088



91.4630, 71.0002, 33.5685

Rectangle

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



49.6724, 71.0002, 30.4884



42.3086, 71.0002, 80.7318



89.1124, 71.0002, 157.1088



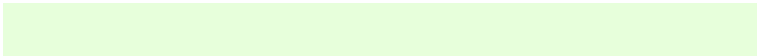
101.0691, 71.0002, 73.9808

Sweetspot

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



49.6741, 71.0033, 30.4900



81.6050, 93.6723, 81.0046



60.1878, 61.6077, 28.1223



17.0629, 19.8592, 16.5219



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.



49.6741, 71.0033, 30.4900



52.6748, 79.9170, 27.3014



44.3602, 68.1099, 37.1954



16.0623, 17.9123, 16.7606



18.9940, 35.1133, 5.7765



1.6817, 2.9735, 0.4853

Inverse Universe

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



47.0043, 33.3189, 85.6191



49.1961, 31.4978, 98.0945



55.8512, 38.1872, 72.1406



15.9126, 15.7522, 19.9234



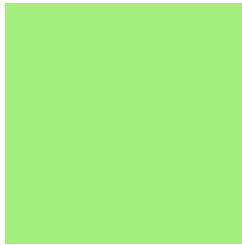
16.6935, 7.6112, 45.7171



1.4937, 0.6873, 3.8081

Previews

White Background



This preview shows how the XYZ color 49.6724, 71.0002, 30.4884 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 49.6724, 71.0002, 30.4884 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 49.6724, 71.0002, 30.4884

Background



This preview shows how black text looks on a background with the XYZ color 49.6724, 71.0002, 30.4884.



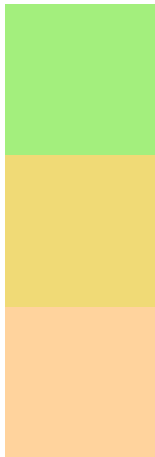
This preview shows how white text looks on a background with the XYZ color 49.6724, 71.0002,

30.4884.

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

49.6724, 71.0002, 30.4884

Protanopia

64.2766, 69.9761, 27.2585

Deuteranopia

70.6201, 70.2829, 41.7422



Tritanopia

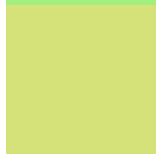
62.8169, 70.8694, 95.9563

Trichromacy



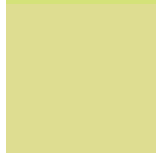
Original Color

49.6724, 71.0002, 30.4884



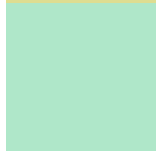
Protanomaly

57.7989, 69.7702, 28.5098



Deuteranomaly

61.0915, 69.2868, 36.9419



Tritanomaly

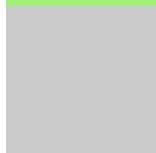
56.7977, 70.4828, 65.8693

Monochromacy



Original Color

49.6724, 71.0002, 30.4884



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

53.0328, 62.8982, 49.9029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.6724, 71.0002, 30.4884 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(163, 239, 125)` looks like.

```
.text, #text, p{  
    color:rgb(163, 239, 125)  
}
```

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(163, 239, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(163, 239, 125) }
```

Border

The CSS property to change the border of an element to XYZ 49.6724, 71.0002, 30.4884 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(163, 239, 125) }
```


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

```
.border{ border-color:rgb(163, 239, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(163, 239, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(163, 239, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(163, 239, 125);  
box-shadow:4px 4px 4px 4px rgb(163, 239,  
125) }
```

Background

The CSS property to change the background color of an element to XYZ 49.6724, 71.0002, 30.4884 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(163, 239, 125) }
```

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

```
.background{ background-color: rgb(163,  
239, 125) }
```

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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