

Converting Colors

XYZ(50.3180, 73.5382, 33.5523)

Have a look what the booklet for
XYZ(50.3180, 73.5382, 33.5523)
contains.

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Color

**XYZ(50.2946, 73.4627,
33.7192)**

Conversions

Conversions Part 1

Format	Color
Hex	9CF485
RGB	156, 244, 133
RGB Percent	61%, 96%, 52%
CMY	0.3882, 0.0431, 0.4784
CMYK	0.36, 0.00, 0.45, 0.04
HSL	108°, 83%, 74%
HSV	108°, 45%, 96%
XYZ	50.2946, 73.4627, 33.7192
YIQ	205.0340, -16.8170, -53.1770

Conversions

Conversions Part 2

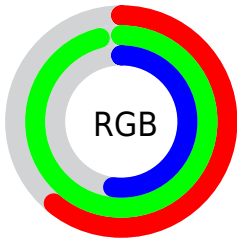
Format	Color
RYB	133, 244, 221
Decimal	10286213
CIELab	88.67, -46.74, 45.15
CIELCh	89, 64.983, 135.989
Yxy	73.4627, 0.3194, 0.4665
Android (android.graphics.Color)	4288476293 (0xFF9CF485)
YUV	205.0340, -35.5128, -43.0028
Hunter-Lab	85.7104, -45.2499, 36.6721

Details

The XYZ color **50.2946, 73.4627, 33.7192** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **54.5388, 38.6811, 90.1835**, and the grayscale version is **58.2781, 61.3131, 66.7699**.

A 20% lighter version of the original color is **72.5687, 89.4470, 61.0172**, and **24.5111, 38.8441, 13.9904** is the 20% darker color. If you saturate the color by 10%, you get **45.3512, 71.0892, 25.6874**, and if you desaturate by 10%, it is **56.2294, 76.3065, 43.8442**.

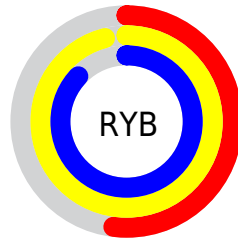
Distribution



Red (61%)

Green (96%)

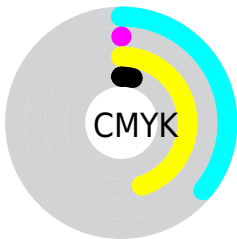
Blue (52%)



Red (52%)

Yellow (96%)

Blue (87%)

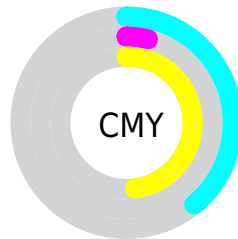


Cyan (36%)

Magenta (0%)

Yellow (45%)

Black (4%)



Cyan (39%)


Magenta (4%)


Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.2946, 73.4627, 33.7192 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 50.2946, 73.4627, 33.7192 by changing the saturation by 10% instead.


 50.2946, 73.4627,
33.7192


 50.2946, 73.4627,
33.7192


378.2499,
472.6169, 333.6090


 35.8663, 54.3544,
22.4024


 89.8004, 124.1339,
66.6257

 24.5006, 38.8851,
13.9517


 115.6087,
156.4655, 89.0524

 15.8321, 26.6703,
7.9487


 145.9409,
193.9737, 116.0194

 9.4955, 17.3258,
3.9748

181.1625,
237.0428, 147.9454

 5.1255, 10.4670,
1.6116

221.6389,
286.0573, 185.2488

 2.3566, 5.7097,
0.2990

267.7353,

 0.8234, 2.6694,

341.4016, 228.3481

0.0000

319.8172,
403.4600, 277.6620

0.0000, 0.9617,
0.0000

0.0000, 0.0000,
0.0000

50.2946, 73.4627,
33.7192

50.2946, 73.4627,
33.7192

45.3512, 71.0892,
25.6874

56.2294, 76.3065,
43.8442

41.3382, 69.1510,
19.5978


63.2013, 79.6346,
56.1898


38.1958, 67.6232,
15.2870


71.2597, 83.4721,
70.8788


35.8544, 66.4741,
12.5626

80.4491, 87.8394,
88.0237

 34.2325, 65.6667,
11.1873

 90.8106, 92.7556,
107.7251

 33.6950, 65.3966,
10.8469

 91.6422, 93.1843,
107.7641

Harmonies

Analogous

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



61.8385, 73.4627, 22.3581



50.2946, 73.4627, 33.7192



44.4504, 73.4627, 60.8387

Triad

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



50.2946, 73.4627, 33.7192



62.7710, 73.4627, 196.5308



103.0303, 73.4627, 58.4693

Complementary

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



50.2946, 73.4627, 33.7192



54.5388, 38.6811, 90.1835

Split Complementary

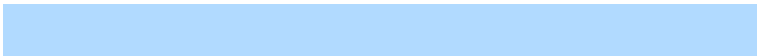
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



103.3801, 73.4627, 102.7858



50.2946, 73.4627, 33.7192



78.4691, 73.4627, 195.1284

Square

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



50.2946, 73.4627, 33.7192



50.8887, 73.4627, 159.6193



93.8495, 73.4627, 156.2993



92.9553, 73.4627, 32.5472

Rectangle

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



50.2946, 73.4627, 33.7192



43.9102, 73.4627, 89.3472



93.8495, 73.4627, 156.2993



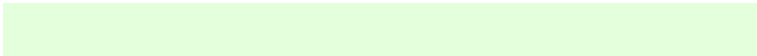
104.3351, 73.4627, 71.3071

Sweetspot

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



50.2964, 73.4658, 33.7208



80.1686, 92.9319, 80.9374



67.1250, 72.0900, 32.5683



16.7163, 19.6805, 16.5057



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.



50.2964, 73.4658, 33.7208



50.3081, 78.6640, 28.6765



48.7674, 72.3879, 46.7390



16.6029, 18.6374, 17.5199



18.4109, 35.6040, 5.9019



1.6998, 3.1713, 0.5225

Inverse Universe

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



54.5388, 38.6811, 90.1835



55.4983, 35.5840, 98.5511



57.6516, 40.7914, 67.4896



16.8578, 16.5849, 20.8553



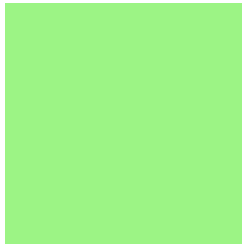
21.0163, 9.8086, 47.3236



1.9297, 0.9046, 4.1631

Previews

White Background



This preview shows how the XYZ color 50.2946, 73.4627, 33.7192 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 50.2946, 73.4627, 33.7192 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

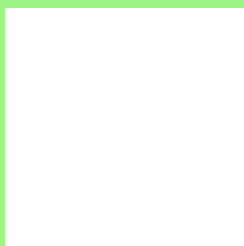
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 50.2946, 73.4627, 33.7192

Background



This preview shows how black text looks on a background with the XYZ color 50.2946, 73.4627, 33.7192.

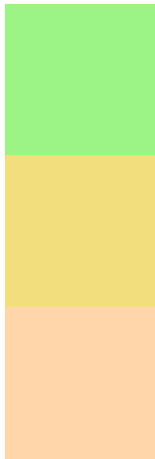


This preview shows how white text looks on a background with the XYZ color 50.2946, 73.4627,

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

50.2946, 73.4627, 33.7192

Protanopia

66.7851, 72.7779, 29.9296

Deuteranopia

72.4480, 72.2177, 47.6571



Tritanopia

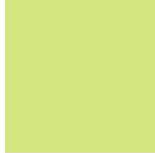
63.5793, 73.2215, 100.4047

Trichromacy



Original Color

50.2946, 73.4627, 33.7192



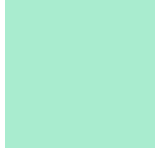
Protanomaly

59.0571, 72.0010, 31.2070



Deuteranomaly

62.1394, 71.3108, 41.9418



Tritanomaly

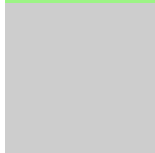
57.6201, 72.9309, 70.0717

Monochromacy



Original Color

50.2946, 73.4627, 33.7192



Achromatopsia

58.0276, 61.0496, 66.4830



Achromatomaly

53.9617, 64.4825, 52.2501

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.2946, 73.4627, 33.7192 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(156, 244, 133)` looks like.

```
.text, #text, p{  
    color:rgb(156, 244, 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(156, 244, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 244, 133) }
```

Border

The CSS property to change the border of an element to XYZ 50.2946, 73.4627, 33.7192 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(156, 244, 133) }
```


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

```
.border{ border-color:rgb(156, 244, 133) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 244, 133)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 244, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 244, 133);  
box-shadow:4px 4px 4px 4px rgb(156, 244,  
133) }
```

Background

The CSS property to change the background color of an element to XYZ 50.2946, 73.4627, 33.7192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 244, 133) }
```

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

```
.background{ background-color: rgb(156,  
244, 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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