

Converting Colors

XYZ(49.1212, 73.2804, 32.9747)

Have a look what the booklet for
XYZ(49.1212, 73.2804, 32.9747)
contains.

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Color

**XYZ(49.1436, 73.3331,
33.0373)**

Conversions

Conversions Part 1

Format	Color
Hex	95F583
RGB	149, 245, 131
RGB Percent	58%, 96%, 51%
CMY	0.4157, 0.0392, 0.4863
CMYK	0.39, 0.00, 0.47, 0.04
HSL	111°, 85%, 74%
HSV	111°, 47%, 96%
XYZ	49.1436, 73.3331, 33.0373
YIQ	203.3000, -20.6220, -55.8060

Conversions

Conversions Part 2

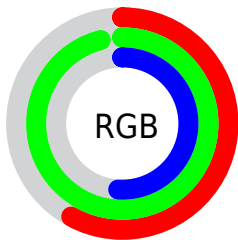
Format	Color
RYB	131, 245, 227
Decimal	9827715
CIELab	88.61, -49.58, 45.96
CIElCh	89, 67.607, 137.168
Yxy	73.3331, 0.3160, 0.4716
Android (android.graphics.Color)	4288017795 (0xFF95F583)
YUV	203.3000, -35.6439, -47.6211
Hunter-Lab	85.6347, -47.4242, 37.0706

Details

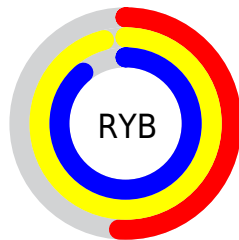
The XYZ color **49.1436, 73.3331, 33.0373** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **56.2798, 39.1584, 90.9822**, and the grayscale version is **57.1814, 60.1593, 65.5135**.

A 20% lighter version of the original color is **70.3551, 88.3306, 59.7958**, and **23.8081, 38.8063, 13.6327** is the 20% darker color. If you saturate the color by 10%, you get **44.2392, 70.9767, 25.1414**, and if you desaturate by 10%, it is **55.1111, 76.1966, 43.0353**.

Distribution



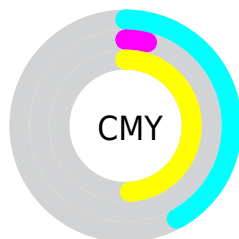
- Red (58%)
- Green (96%)
- Blue (51%)



- Red (51%)
- Yellow (96%)
- Blue (89%)



- Cyan (39%)
- Magenta (0%)
- Yellow (47%)
- Black (4%)




- Cyan (42%)
- Magenta (4%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.1436, 73.3331, 33.0373 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 49.1436, 73.3331, 33.0373 by changing the saturation by 10% instead.


 49.1436, 73.3331,
33.0373


 49.1436, 73.3331,
33.0373


373.8150,
472.1685, 330.4549


 34.9484, 54.2484,
21.8837


 88.1041, 123.9500,
65.5504

 23.7895, 38.8003,
13.5739


 113.6002,
156.2509, 87.7470

 15.3014, 26.6044,
7.6896


 143.5939,
193.7261, 114.4617

 9.1189, 17.2763,
3.8121

178.4507,
236.7598, 146.1130

 4.8765, 10.4317,
1.5228

218.5358,
285.7365, 183.1194

 2.2090, 5.6861,
0.2348


264.2146,

 0.7475, 2.6552,


341.0406, 225.8995


0.0000


315.8526,
403.0564, 274.8718


 0.0000, 0.9545,
0.0000


 0.0000, 0.0000,
0.0000


 49.1436, 73.3331,
33.0373


 49.1436, 73.3331,
33.0373

 44.2392, 70.9767,
25.1414


 55.1111, 76.1966,
43.0353


 40.3292, 69.0886,
19.1929


 62.1942, 79.5847,
55.2656


 37.3451, 67.6394,
15.0243


 70.4485, 83.5256,
69.8536

 35.2070, 66.5923,
12.4369

 79.9241, 88.0427,
86.9140

 33.8199, 65.9035,
11.1823

 90.6684, 93.1579,
106.5539

 33.4785, 65.7329,
10.9232

 91.9439, 93.7878,
107.8646

Harmonies

Analogous

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



60.8497, 73.3331, 21.1135



49.1436, 73.3331, 33.0373



43.3822, 73.3331, 61.5195

Triad

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



49.1436, 73.3331, 33.0373



62.9671, 73.3331, 203.2953



104.1534, 73.3331, 56.1668

Complementary

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



49.1436, 73.3331, 33.0373



56.2798, 39.1584, 90.9822

Split Complementary

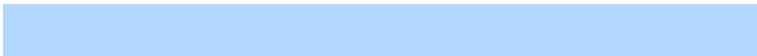
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



104.9581, 73.3331, 101.4953



49.1436, 73.3331, 33.0373



79.3714, 73.3331, 200.0338

Square

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



49.1436, 73.3331, 33.0373



50.4846, 73.3331, 165.4583



95.3148, 73.3331, 157.7712



93.2629, 73.3331, 30.4406

Rectangle

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



49.1436, 73.3331, 33.0373



42.9913, 73.3331, 91.5844



95.3148, 73.3331, 157.7712



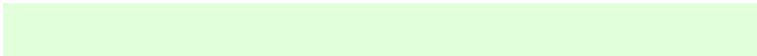
105.6664, 73.3331, 69.1584

Sweetspot

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



49.1454, 73.3362, 33.0389



79.6171, 92.6476, 80.9116



68.9525, 75.4474, 32.4025



16.5836, 19.6121, 16.4995



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.



49.1454, 73.3362, 33.0389



48.6463, 77.8240, 27.8453



49.1762, 72.9981, 49.0361



16.5258, 18.5976, 17.5163



18.1082, 35.4479, 5.8877



1.6619, 3.1518, 0.5208

Inverse Universe

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



56.2798, 39.1584, 90.9822



57.2932, 36.0847, 98.5531



57.0377, 40.1520, 63.7782



16.9417, 16.6281, 20.8592



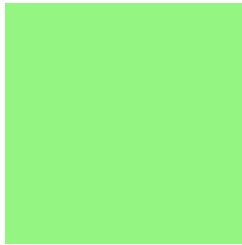
22.7372, 10.6958, 47.4041



2.0659, 0.9749, 4.1695

Previews

White Background



This preview shows how the XYZ color 49.1436, 73.3331, 33.0373 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 49.1436, 73.3331, 33.0373 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 49.1436, 73.3331, 33.0373

Background



This preview shows how black text looks on a background with the XYZ color 49.1436, 73.3331, 33.0373.



This preview shows how white text looks on a background with the XYZ color 49.1436, 73.3331,

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

49.1436, 73.3331, 33.0373

Protanopia

66.3938, 72.1976, 29.1751

Deuteranopia

72.2616, 72.1432, 46.6756



Tritanopia

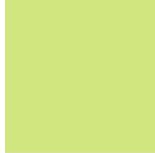
62.9065, 73.2733, 101.2701

Trichromacy



Original Color

49.1436, 73.3331, 33.0373



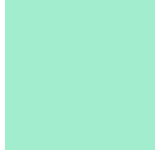
Protanomaly

58.3572, 71.6553, 30.4938



Deuteranomaly

61.0769, 70.7825, 41.0151



Tritanomaly

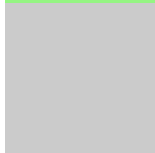
56.6509, 72.8599, 70.1090

Monochromacy



Original Color

49.1436, 73.3331, 33.0373



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.5357, 63.3844, 51.0605

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.1436, 73.3331, 33.0373 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(149, 245, 131)` looks like.

```
.text, #text, p{  
    color:rgb(149, 245, 131)  
}
```

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(149, 245, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 245, 131) }
```

Border

The CSS property to change the border of an element to XYZ 49.1436, 73.3331, 33.0373 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(149, 245, 131) }
```


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

```
.border{ border-color:rgb(149, 245, 131) }
```

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

Here you see how a box with a 4 pixel rgb(149, 245, 131) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 245, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 245, 131);  
box-shadow:4px 4px 4px 4px rgb(149, 245,  
131) }
```

Background

The CSS property to change the background color of an element to XYZ 49.1436, 73.3331, 33.0373 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 245, 131) }
```

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

```
.background{ background-color: rgb(149,  
245, 131) }
```

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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