

Converting Colors

XYZ(49.5964, 73.5594, 29.3060)

Have a look what the booklet for
XYZ(49.5964, 73.5594, 29.3060)
contains.

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Color

**XYZ(49.7529, 73.7288,
29.3781)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 9CF578 |
| RGB | 156, 245, 120 |
| RGB Percent | 61%, 96%, 47% |
| CMY | 0.3882, 0.0392, 0.5294 |
| CMYK | 0.36, 0.00, 0.51, 0.04 |
| HSL | 103°, 86%, 72% |
| HSV | 103°, 51%, 96% |
| XYZ | 49.7529, 73.7288, 29.3781 |
| YIQ | 204.1390, -12.9190, -57.7430 |

Conversions

Conversions Part 2

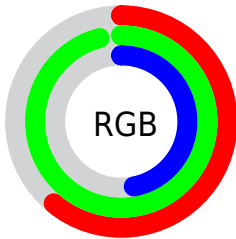
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 120, 245, 209 |
| Decimal | 10286456 |
| CIELab | 88.79, -48.74, 51.44 |
| CIElCh | 89, 70.864, 133.453 |
| Yxy | 73.7288, 0.3255, 0.4823 |
| Android (android.graphics.Color) | 4288476536 (0xFF9CF578) |
| YUV | 204.1390, -41.4805, -42.2179 |
| Hunter-Lab | 85.8655, -46.8366, 39.8203 |

Details

The XYZ color **49.7529, 73.7288, 29.3781** is a light color, and the websafe version is hex **99FF99**. A complement of this color would be **49.4958, 33.5831, 90.2637**, and the grayscale version is **57.7441, 60.7513, 66.1581**.

A 20% lighter version of the original color is **71.2294, 88.9113, 53.9648**, and **24.1419, 39.0243, 11.5702** is the 20% darker color. If you saturate the color by 10%, you get **45.3158, 71.5940, 22.3773**, and if you desaturate by 10%, it is **55.0588, 76.2720, 38.4080**.

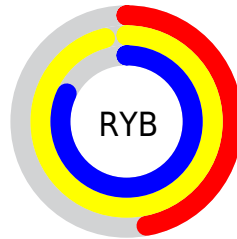
Distribution



Red (61%)

Green (96%)

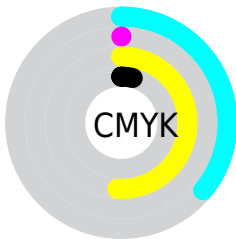
Blue (47%)



Red (47%)

Yellow (96%)

Blue (82%)

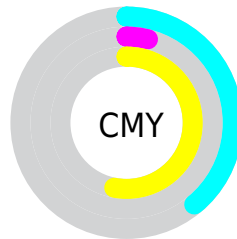


Cyan (36%)

Magenta (0%)

Yellow (51%)

Black (4%)



Cyan (39%)


Magenta (4%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.7529, 73.7288, 29.3781 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 49.7529, 73.7288, 29.3781 by changing the saturation by 10% instead.


 49.7529, 73.7288,
29.3781


 49.7529, 73.7288,
29.3781


376.1668,
473.5368, 313.1114


 35.4341, 54.5721,
19.1190


 89.0027, 124.5113,
59.7266

 24.1655, 39.0592,
11.5786


 114.6643,
156.9059, 80.6531

 15.5819, 26.8058,
6.3384


 144.8377,
194.4819, 105.9725

 9.3177, 17.4274,
2.9798

179.8880,
237.6237, 136.1032

 5.0078, 10.5397,
1.0843

220.1808,
286.7157, 171.4640

 2.2866, 5.7582,
0.0000


266.0813,

 0.7878, 2.6986,


342.1423, 212.4732


0.0000


317.9548,
404.2879, 259.5495


 0.0000, 0.9765,
0.0000


 0.0000, 0.0000,
0.0000


 49.7529, 73.7288,
29.3781

 49.7529, 73.7288,
29.3781


 45.3158, 71.5940,
22.3773


 55.0588, 76.2720,
38.4080


 41.6920, 69.8357,
17.2439


 61.2741, 79.2348,
49.6026


 38.8272, 68.4322,
13.7993

 68.4429, 82.6393,
63.0915

 36.6568, 67.3547,
11.8279

 76.6048, 86.5034,
78.9927

 35.2199, 66.6307,
11.0047

 85.7971, 90.8439,
97.4160

 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.



62.6805, 73.7288, 18.9987



49.7529, 73.7288, 29.3781



42.9773, 73.7288, 56.2694

Triad

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



49.7529, 73.7288, 29.3781



61.0971, 73.7288, 209.1327



107.2972, 73.7288, 60.2470

Complementary

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



49.7529, 73.7288, 29.3781



49.4958, 33.5831, 90.2637

Split Complementary

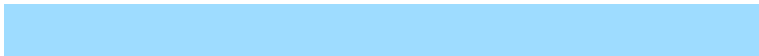
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



106.6860, 73.7288, 110.2968



49.7529, 73.7288, 29.3781



78.0336, 73.7288, 211.6418

Square

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



49.7529, 73.7288, 29.3781



48.7574, 73.7288, 164.3418



95.2962, 73.7288, 170.2251



96.8502, 73.7288, 31.2621

Rectangle

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



49.7529, 73.7288, 29.3781



42.0414, 73.7288, 86.1027



95.2962, 73.7288, 170.2251



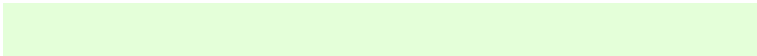
108.4238, 73.7288, 74.7224

Sweetspot

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



49.7547, 73.7320, 29.3797



80.1723, 92.9723, 79.1952



63.4836, 65.6400, 27.0942



16.7564, 19.7087, 16.1647



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.



49.7547, 73.7320, 29.3797



49.5780, 78.3808, 24.4335



45.5112, 71.3456, 38.1619



16.7304, 18.7031, 17.5258



19.0908, 35.9545, 5.9337



1.7752, 3.2102, 0.5261

Inverse Universe

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



49.4958, 33.5831, 90.2637



49.1915, 29.9610, 97.7981



57.2937, 38.0147, 72.0312



16.7215, 16.5146, 20.8489



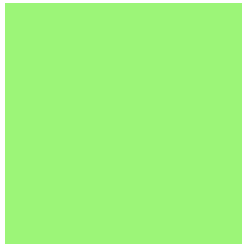
18.4799, 8.5010, 47.2049



1.7254, 0.7993, 4.1536

Previews

White Background



This preview shows how the XYZ color 49.7529, 73.7288, 29.3781 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 49.7529, 73.7288, 29.3781 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

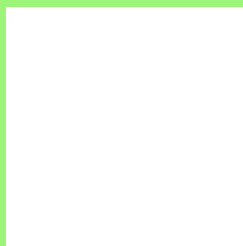
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.7529, 73.7288, 29.3781

Background



This preview shows how black text looks on a background with the XYZ color 49.7529, 73.7288, 29.3781.

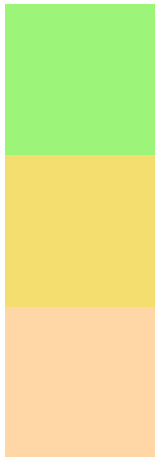


This preview shows how white text looks on a background with the XYZ color 49.7529, 73.7288,

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

49.7529, 73.7288, 29.3781

Protanopia

66.7021, 72.8249, 25.8703

Deuteranopia

72.5155, 72.6509, 46.7603



Tritanopia

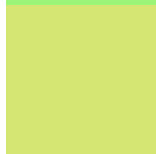
64.0349, 73.4564, 100.4260

Trichromacy



Original Color

49.7529, 73.7288, 29.3781



Protanomaly

58.8319, 71.9776, 27.0119



Deuteranomaly

61.9148, 71.6548, 39.4217



Tritanomaly

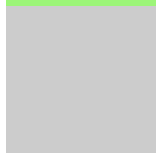
57.2337, 72.8012, 66.9126

Monochromacy



Original Color

49.7529, 73.7288, 29.3781



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.3679, 64.2450, 49.1229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.7529, 73.7288, 29.3781 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, 245, 120)` looks like.

```
.text, #text, p{  
    color:rgb(156, 245, 120)  
}
```

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, 245, 120) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 245, 120) }
```

Border

The CSS property to change the border of an element to XYZ 49.7529, 73.7288, 29.3781 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, 245, 120) }
```


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

```
.border{ border-color:rgb(156, 245, 120) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 245, 120)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 245, 120); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 245, 120);  
box-shadow:4px 4px 4px 4px rgb(156, 245,  
120) }
```

Background

The CSS property to change the background color of an element to XYZ 49.7529, 73.7288, 29.3781 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 245, 120) }
```

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

```
.background{ background-color: rgb(156,  
245, 120) }
```

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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