

Converting Colors

XYZ(49.7986, 72.3624, 25.2335)

Have a look what the booklet for
XYZ(49.7986, 72.3624, 25.2335)
contains.

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Color

**XYZ(49.9230, 72.5651,
25.2852)**

Conversions

Conversions Part 1

Format	Color
Hex	A5F26B
RGB	165, 242, 107
RGB Percent	65%, 95%, 42%
CMY	0.3529, 0.0510, 0.5804
CMYK	0.32, 0.00, 0.56, 0.05
HSL	94°, 84%, 68%
HSV	94°, 56%, 95%
XYZ	49.9230, 72.5651, 25.2852
YIQ	203.5870, -2.5570, -58.3090

Conversions

Conversions Part 2

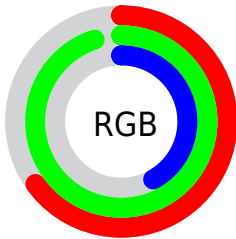
Format	Color
RYB	107, 242, 184
Decimal	10875499
CIELab	88.24, -45.89, 56.79
CIElCh	88, 73.015, 128.939
Yxy	72.5651, 0.3378, 0.4911
Android (android.graphics.Color)	4289065579 (0xFFA5F26B)
YUV	203.5870, -47.6174, -33.8408
Hunter-Lab	85.1852, -44.4636, 42.0308

Details

The XYZ color **49.9230, 72.5651, 25.2852** is a light color, and the websafe version is hex **99FF66**. A complement of this color would be **41.0552, 27.1188, 87.0790**, and the grayscale version is **57.4276, 60.4183, 65.7955**.

A 20% lighter version of the original color is **72.7130, 89.8166, 47.6864**, and **24.1531, 38.1340, 9.3364** is the 20% darker color. If you saturate the color by 10%, you get **46.1063, 70.7269, 19.3655**, and if you desaturate by 10%, it is **54.4094, 74.7119, 33.0986**.

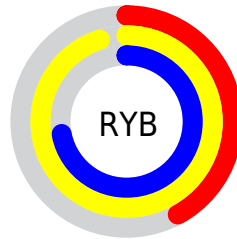
Distribution



Red (65%)

Green (95%)

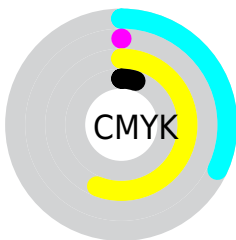
Blue (42%)



Red (42%)

Yellow (95%)

Blue (72%)

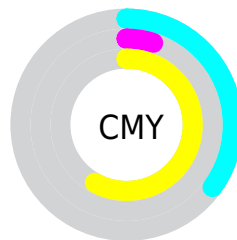


Cyan (32%)

Magenta (0%)

Yellow (56%)

Black (5%)



Cyan (35%)


Magenta (5%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.9230, 72.5651, 25.2852 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 49.9230, 72.5651, 25.2852 by changing the saturation by 10% instead.


 49.9230, 72.5651,
25.2852


 49.9230, 72.5651,
25.2852


376.8217,
469.5061, 292.7483

 35.5698, 53.6204,
16.0687


 89.2533, 122.8596,
53.0894


 24.2707, 38.2983,
9.4179


 114.9610,
154.9782, 72.5141

 15.6603, 26.2143,
4.9142


 145.1844,
192.2570, 96.1787

 9.3734, 16.9840,
2.1392

 180.2886,
235.0802, 124.5017

 5.0446, 10.2231,
0.6389

220.6391,
283.8324, 157.9016

 2.3085, 5.5471,
0.0000

266.6012,

 0.7990, 2.5717,

338.8978, 196.7970

0.0000

318.5403,
400.6609, 241.6064

0.0000, 0.9125,
0.0000

0.0000, 0.0000,
0.0000

49.9230, 72.5651,
25.2852

49.9230, 72.5651,
25.2852

46.1063, 70.7269,
19.3655

54.4094, 74.7119,
33.0986

42.9137, 69.1705,
15.1733


59.5967, 77.1735,
42.9439


40.3010, 67.8796,
12.5220

65.5199, 79.9674,
54.9516


38.2131, 66.8308,
11.1786

72.2102, 83.1070,
69.2402

 37.4585, 66.4482,
10.8515

 79.6965, 86.6050,
85.9195

 88.0063, 90.4731,
105.0922

 91.0436, 91.9873,
107.5645

Harmonies

Analogous

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



63.8769, 72.5651, 16.9534



49.9230, 72.5651, 25.2852



42.1107, 72.5651, 49.2123

Triad

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



49.9230, 72.5651, 25.2852



57.5798, 72.5651, 207.2516



107.8043, 72.5651, 64.9721

Complementary

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



49.9230, 72.5651, 25.2852



41.0552, 27.1188, 87.0790

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.



105.3483, 72.5651, 118.9138



49.9230, 72.5651, 25.2852



74.3289, 72.5651, 217.4234

Square

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



49.9230, 72.5651, 25.2852



45.9841, 72.5651, 156.3029



92.3357, 72.5651, 180.0737



98.5693, 72.5651, 32.6265

Rectangle

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



49.9230, 72.5651, 25.2852



40.5188, 72.5651, 77.2421



92.3357, 72.5651, 180.0737



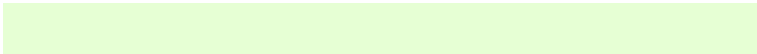
108.3476, 72.5651, 80.8068

Sweetspot

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



49.9247, 72.5682, 25.2868



80.3204, 93.1240, 75.7975



56.3115, 54.0153, 21.3691



16.8566, 19.7752, 15.4989



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.



49.9247, 72.5682, 25.2868



51.3776, 79.3856, 21.0334



40.9702, 67.8944, 27.4698



16.2099, 17.9883, 16.7675



20.2715, 35.7719, 5.8362



1.7981, 3.0335, 0.4907

Inverse Universe

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



41.0552, 27.1188, 87.0790



40.4299, 23.4808, 97.0091



56.5865, 35.2778, 80.9214



15.7604, 15.6737, 19.9163



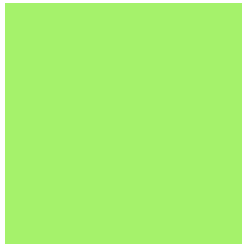
14.4034, 6.4306, 45.6100



1.3119, 0.5936, 3.7996

Previews

White Background



This preview shows how the XYZ color 49.9230, 72.5651, 25.2852 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 49.9230, 72.5651, 25.2852 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

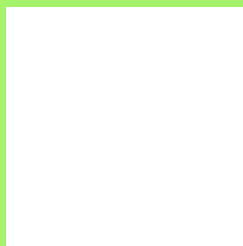
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.9230, 72.5651, 25.2852

Background



This preview shows how black text looks on a background with the XYZ color 49.9230, 72.5651, 25.2852.



This preview shows how white text looks on a background with the XYZ color 49.9230, 72.5651,

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

49.9230, 72.5651, 25.2852

Protanopia

65.8129, 72.0455, 22.4940

Deuteranopia

71.3794, 71.3866, 43.2746



Tritanopia

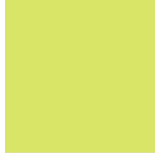
64.3533, 72.0311, 97.7004

Trichromacy



Original Color

49.9230, 72.5651, 25.2852



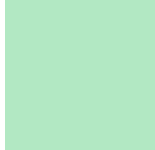
Protanomaly

58.7864, 71.6168, 23.5570



Deuteranomaly

61.5876, 70.7640, 35.6121



Tritanomaly

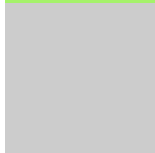
57.0670, 71.1183, 62.3492

Monochromacy



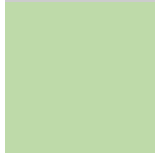
Original Color

49.9230, 72.5651, 25.2852



Achromatopsia

57.3938, 60.3827, 65.7568



Achromatomaly

53.4680, 63.9545, 47.0625

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9230, 72.5651, 25.2852 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(165, 242, 107)` looks like.

```
.text, #text, p{  
    color:rgb(165, 242, 107)  
}
```

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(165, 242, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 242, 107) }
```

Border

The CSS property to change the border of an element to XYZ 49.9230, 72.5651, 25.2852 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(165, 242, 107) }
```


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

```
.border{ border-color:rgb(165, 242, 107) }
```

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

Here you see how a box with a 4 pixel rgb(165, 242, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 242, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 242, 107);  
box-shadow:4px 4px 4px 4px rgb(165, 242,  
107) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9230, 72.5651, 25.2852 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 242, 107) }
```

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

```
.background{ background-color: rgb(165,  
242, 107) }
```

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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