

Converting Colors

XYZ(72.2354, 85.2797, 28.0369)

Have a look what the booklet for
XYZ(72.2354, 85.2797, 28.0369)
contains.

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Color

**XYZ(72.1950, 85.3519,
27.9987)**

Conversions

Conversions Part 1

Format	Color
Hex	F2F570
RGB	242, 245, 112
RGB Percent	95%, 96%, 44%
CMY	0.0510, 0.0392, 0.5608
CMYK	0.01, 0.00, 0.54, 0.04
HSL	61°, 87%, 70%
HSV	61°, 54%, 96%
XYZ	72.1950, 85.3519, 27.9987
YIQ	228.9410, 40.9050, -41.9990

Conversions

Conversions Part 2

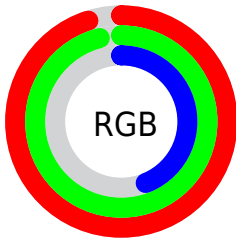
Format	Color
R _Y B	112, 245, 115
Decimal	15922544
CIE Lab	94.03, -18.08, 62.53
CIE LCh	94, 65.096, 106.128
Yxy	85.3519, 0.3891, 0.4600
Android (android.graphics.Color)	4294112624 (0xFFFF2F570)
YUV	228.9410, -57.6519, 11.4527
Hunter-Lab	92.3861, -22.1871, 46.7017

Details

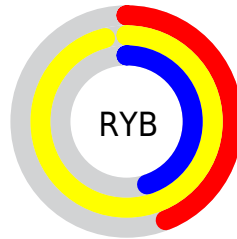
The XYZ color **72.1950, 85.3519, 27.9987** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **29.3486, 21.8277, 89.0577**, and the grayscale version is **74.8244, 78.7211, 85.7273**.

A 20% lighter version of the original color is **83.9751, 95.5700, 50.5801**, and **38.4646, 46.7579, 10.8688** is the 20% darker color. If you saturate the color by 10%, you get **70.8233, 84.7844, 21.7572**, and if you desaturate by 10%, it is **73.9425, 86.0760, 36.1981**.

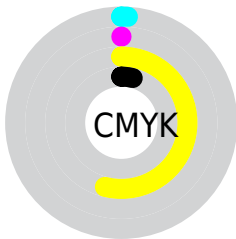
Distribution



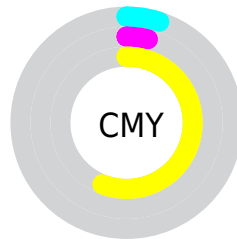
- Red (95%)
- Green (96%)
- Blue (44%)



- Red (44%)
- Yellow (96%)
- Blue (45%)



- Cyan (1%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (5%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1950, 85.3519, 27.9987 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 72.1950, 85.3519, 27.9987 by changing the saturation by 10% instead.


 72.1950, 85.3519,
27.9987

 72.1950, 85.3519,
27.9987


457.3671,
512.7918, 306.3724


 53.6040, 64.1322,
18.0856


 121.3430,
140.8647, 57.5054

 38.5146, 46.7577,
10.8414


 152.6308,
175.9266, 77.9362

 26.5613, 32.8442,
5.8475

 188.8815,
216.3714, 102.7100

 17.3789, 22.0071,
2.6853

230.4606,
262.5834, 132.2452

 10.6020, 13.8621,
0.9360

277.7333,
314.9470, 166.9606

 5.8652, 8.0248,
0.0000

331.0651,

 2.8032, 4.1108,

373.8467, 207.2746

0.0000

390.8212,
439.6668, 253.6057

■ 1.0505, 1.7358,
0.0000

■ 0.0000, 0.4466,
0.0000

■ 72.1950, 85.3519,
27.9987

■ 72.1950, 85.3519,
27.9987

■ 70.8233, 84.7844,
21.7572

■ 73.9425, 86.0760,
36.1981

■ 69.7904, 84.3494,
17.3057


■ 76.0871, 86.9559,
46.4945


■ 69.0624, 84.0364,
14.4571

■ 78.6556, 88.0054,
59.0205


■ 68.5956, 83.8279,
12.9805


■ 81.6709, 89.2338,
73.8962


 68.4090, 83.7409,
12.5581

 85.1543, 90.6494,
91.2333

 88.4733, 91.9993,
107.7023

 88.6672, 92.0993,
107.7114

 88.8617, 92.1995,
107.7205

 89.0567, 92.3001,
107.7296

Harmonies

Analogous

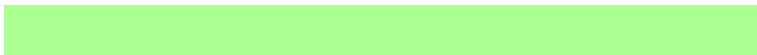
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3994, 85.3519, 27.5629



72.1950, 85.3519, 27.9987



59.3486, 85.3519, 41.1506

Triad

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



72.1950, 85.3519, 27.9987



60.1068, 85.3519, 180.3606



118.0659, 85.3519, 117.8081

Complementary

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



72.1950, 85.3519, 27.9987



29.3486, 21.8277, 89.0577

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.



107.6651, 85.3519, 176.2491



72.1950, 85.3519, 27.9987



73.3765, 85.3519, 220.1792

Square

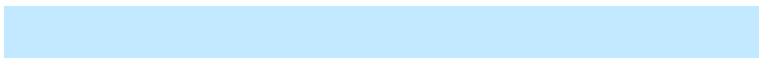
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.1950, 85.3519, 27.9987



53.0810, 85.3519, 122.1204



90.7613, 85.3519, 218.4516



117.6293, 85.3519, 68.8126

Rectangle

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



72.1950, 85.3519, 27.9987



54.2525, 85.3519, 59.3462



90.7613, 85.3519, 218.4516



115.6637, 85.3519, 137.2731

Sweetspot

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



72.1970, 85.3558, 28.0005



88.8246, 97.4707, 77.8845



46.6255, 32.6680, 19.1785



18.8614, 20.8014, 15.9254



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.



72.1970, 85.3558, 28.0005



77.4485, 92.8017, 23.3369



53.5490, 75.7424, 27.1278



17.8755, 19.2934, 17.5794



36.8682, 45.1190, 6.7657



3.2519, 3.9715, 0.5952

Inverse Universe

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



29.3486, 21.8277, 89.0577



26.1571, 16.7334, 96.4590



41.2679, 27.9723, 89.6155



15.6158, 15.9446, 20.7971



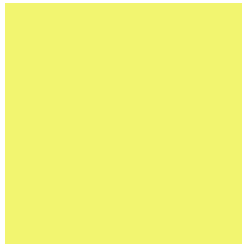
8.9316, 3.5787, 46.7580



0.7970, 0.3207, 4.1101

Previews

White Background



This preview shows how the XYZ color 72.1950, 85.3519, 27.9987 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 72.1950, 85.3519, 27.9987 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 72.1950, 85.3519, 27.9987

Background



This preview shows how black text looks on a background with the XYZ color 72.1950, 85.3519, 27.9987.

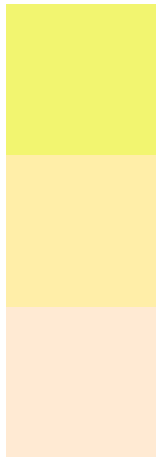


This preview shows how white text looks on a background with the XYZ color 72.1950, 85.3519,

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

72.1950, 85.3519, 27.9987

Protanopia

78.8824, 85.2362, 49.3405

Deuteranopia

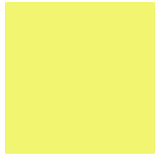
82.4207, 84.8088, 73.6537



Tritanopia

86.7592, 85.1891, 100.6774

Trichromacy



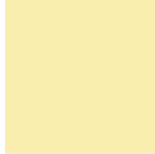
Original Color

72.1950, 85.3519, 27.9987



Protanomaly

76.2249, 85.3727, 40.4781



Deuteranomaly

77.7367, 84.5682, 52.7836



Tritanomaly

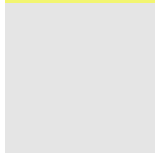
79.7286, 84.4384, 66.1289

Monochromacy



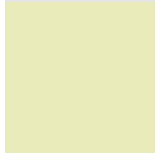
Original Color

72.1950, 85.3519, 27.9987



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

72.5029, 80.4543, 58.1623

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1950, 85.3519, 27.9987 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(242, 245, 112)` looks like.

```
.text, #text, p{  
    color:rgb(242, 245, 112)  
}
```

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(242, 245, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 245, 112) }
```

Border

The CSS property to change the border of an element to XYZ 72.1950, 85.3519, 27.9987 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(242, 245, 112) }
```


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

```
.border{ border-color:rgb(242, 245, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 245, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 245, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 245, 112);  
box-shadow:4px 4px 4px 4px rgb(242, 245,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1950, 85.3519, 27.9987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 245, 112) }
```

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

```
.background{ background-color: rgb(242,  
245, 112) }
```

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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