

Converting Colors

XYZ(77.8546, 101.0785,
29.5151)

Have a look what the booklet for
XYZ(77.8546, 101.0785, 29.5151)
contains.

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Color

**XYZ(72.3985, 90.0951,
27.7617)**

Conversions

Conversions Part 1

Format	Color
Hex	EAFF6C
RGB	234, 255, 108
RGB Percent	92%, 100%, 42%
CMY	0.0824, 0.0000, 0.5765
CMYK	0.08, 0.00, 0.58, 0.00
HSL	69°, 100%, 71%
HSV	69°, 58%, 100%
XYZ	72.3985, 90.0951, 27.7617
YIQ	231.9630, 34.6710, -50.1690

Conversions

Conversions Part 2

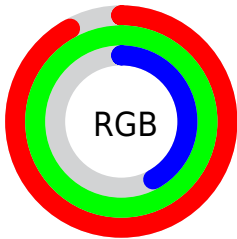
Format	Color
RYB	108, 255, 129
Decimal	15400812
CIELab	96.04, -26.28, 66.34
CIELCh	96, 71.361, 111.611
Yxy	90.0951, 0.3805, 0.4735
Android (android.graphics.Color)	4293590892 (0xFFEAF6C)
YUV	231.9630, -61.1138, 1.7864
Hunter-Lab	94.9184, -29.9574, 49.1018

Details

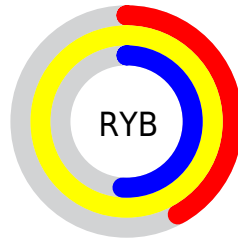
The XYZ color **72.3985, 90.0951, 27.7617** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **32.4670, 22.6136, 97.2614**, and the grayscale version is **77.0983, 81.1134, 88.3325**.

A 20% lighter version of the original color is **83.7008, 95.4603, 49.1361**, and **38.4708, 49.7411, 10.7053** is the 20% darker color. If you saturate the color by 10%, you get **70.0500, 89.0190, 21.5740**, and if you desaturate by 10%, it is **75.1687, 91.3428, 36.0426**.

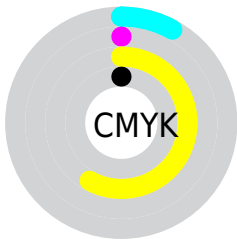
Distribution



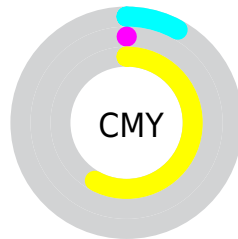
- Red (92%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (51%)



- Cyan (8%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (8%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.3985, 90.0951, 27.7617 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 72.3985, 90.0951, 27.7617 by changing the saturation by 10% instead.


 72.3985, 90.0951,
27.7617


 72.3985, 90.0951,
27.7617


458.0636,
528.3402, 305.2025


 53.7709, 68.0595,
17.9086

 121.6307,
147.4705, 57.1223

 38.6485, 49.9462,
10.7156


 152.9659,
183.5791, 77.4669

 26.6659, 35.3706,
5.7642


 189.2678,
225.1475, 102.1457

 17.4577, 23.9485,
2.6358

230.9016,
272.5601, 131.5773

 10.6587, 15.2954,
0.9108

278.2328,
326.2012, 166.1803

 5.9034, 9.0270,
0.0000

331.6266,

 2.8265, 4.7588,

386.4554, 206.3731

0.0000

391.4484,
453.7069, 252.5743

■ 1.0627, 2.1064,
0.0000

■ 0.0000, 0.6682,
0.0000

■ 72.3985, 90.0951,
27.7617

■ 72.3985, 90.0951,
27.7617

■ 70.0500, 89.0190,
21.5740

■ 75.1687, 91.3428,
36.0426

■ 68.0870, 88.0998,
17.2879


■ 78.3917, 92.7745,
46.5785


■ 66.4673, 87.3208,
14.6829

■ 82.0961, 94.4016,
59.5196

■ 65.1352, 86.6597,
13.4664

■ 86.3079, 96.2345,
75.0019

 64.8442, 86.5134,
13.2811

 91.0511, 98.2829,
93.1516

95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



91.2916, 90.0951, 25.0616



72.3985, 90.0951, 27.7617



59.1910, 90.0951, 44.8872

Triad

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



72.3985, 90.0951, 27.7617



64.1553, 90.0951, 210.3711



128.9463, 90.0951, 114.8309

Complementary

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



72.3985, 90.0951, 27.7617



32.4670, 22.6136, 97.2614

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.



118.9671, 90.0951, 182.2875



72.3985, 90.0951, 27.7617



80.2126, 90.0951, 249.7535

Square

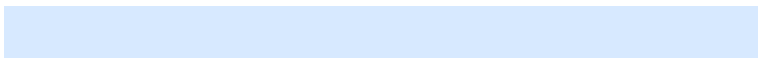
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.3985, 90.0951, 27.7617



54.9658, 90.0951, 143.8347



100.3887, 90.0951, 237.8674



125.9971, 90.0951, 63.2578

Rectangle

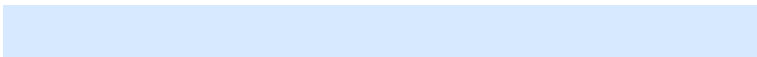
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.3985, 90.0951, 27.7617



54.4245, 90.0951, 67.6419



100.3887, 90.0951, 237.8674



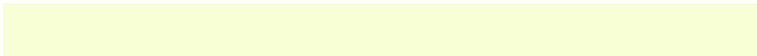
126.9437, 90.0951, 136.5492

Sweetspot

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



72.3986, 90.0952, 27.7629



86.5977, 96.3601, 76.0913



51.6146, 37.6780, 18.7408



18.3439, 20.5420, 15.5685



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.



72.3986, 90.0952, 27.7629



69.7624, 88.8856, 20.8865



53.3476, 80.2740, 26.8713



19.2911, 20.9515, 19.1716



33.9802, 45.2555, 6.9442



3.3754, 4.4408, 0.6793

Inverse Universe

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



32.4670, 22.6136, 97.2614



26.5802, 15.7734, 96.2514



47.5278, 30.3777, 97.9662



17.2444, 17.5022, 22.7193



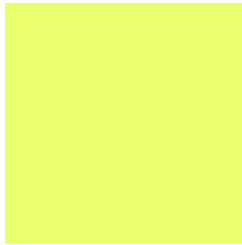
9.8921, 4.0100, 49.6872



1.0323, 0.4261, 4.8411

Previews

White Background



This preview shows how the XYZ color 72.3985, 90.0951, 27.7617 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 72.3985, 90.0951, 27.7617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

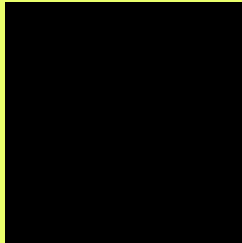
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.3985, 90.0951, 27.7617

Background



This preview shows how black text looks on a background with the XYZ color 72.3985, 90.0951, 27.7617.

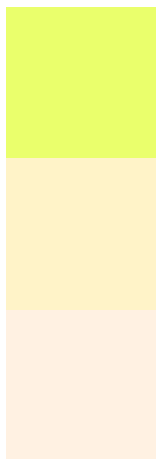


This preview shows how white text looks on a background with the XYZ color 72.3985, 90.0951,

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

72.3985, 90.0951, 27.7617

Protanopia

83.7159, 89.5313, 67.5126

Deuteranopia

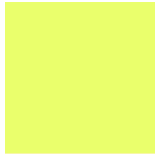
86.4228, 89.6616, 84.7030



Tritanopia

88.2770, 89.6799, 107.2650

Trichromacy



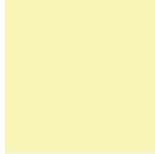
Original Color

72.3985, 90.0951, 27.7617



Protanomaly

78.5936, 89.0857, 49.6122



Deuteranomaly

79.8608, 89.1046, 57.7895



Tritanomaly

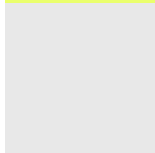
80.6213, 88.8022, 68.7685

Monochromacy



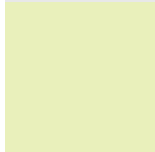
Original Color

72.3985, 90.0951, 27.7617



Achromatopsia

76.7008, 80.6952, 87.8771



Achromatomaly

73.7340, 83.2317, 59.1928

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.3985, 90.0951, 27.7617 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(234, 255, 108)` looks like.

```
.text, #text, p{  
    color:rgb(234, 255, 108)  
}
```

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(234, 255, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(234, 255, 108) }
```

Border

The CSS property to change the border of an element to XYZ 72.3985, 90.0951, 27.7617 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(234, 255, 108) }
```


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

```
.border{ border-color:rgb(234, 255, 108) }
```

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

Here you see how a box with a 4 pixel rgb(234, 255, 108) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(234, 255, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(234, 255, 108);  
box-shadow:4px 4px 4px 4px rgb(234, 255,  
108) }
```

Background

The CSS property to change the background color of an element to XYZ 72.3985, 90.0951, 27.7617 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(234, 255, 108) }
```

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

```
.background{ background-color: rgb(234,  
255, 108) }
```

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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