

Converting Colors

XYZ(72.6097, 90.3852, 19.5846)

Have a look what the booklet for
XYZ(72.6097, 90.3852, 19.5846)
contains.

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Color

**XYZ(72.4939, 90.3257,
19.5750)**

Conversions

Conversions Part 1

Format	Color
Hex	FFFF47
RGB	239, 255, 71
RGB Percent	94%, 100%, 28%
CMY	0.0627, 0.0000, 0.7215
CMYK	0.06, 0.00, 0.72, 0.00
HSL	65°, 100%, 64%
HSV	65°, 72%, 100%
XYZ	72.4939, 90.3257, 19.5750
YIQ	229.2400, 49.5280, -60.6160

Conversions

Conversions Part 2

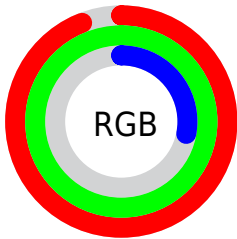
Format	Color
RYB	71, 255, 87
Decimal	15728455
CIELab	96.13, -26.49, 80.45
CIELCh	96, 84.702, 108.227
Yxy	90.3257, 0.3975, 0.4952
Android (android.graphics.Color)	4293918535 (0xFFEFFF47)
YUV	229.2400, -78.0123, 8.5595
Hunter-Lab	95.0398, -30.1646, 54.3161

Details

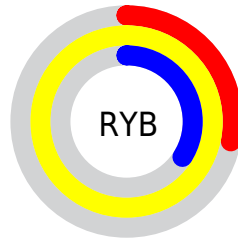
The XYZ color **72.4939, 90.3257, 19.5750** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **24.2349, 13.7540, 95.9852**, and the grayscale version is **75.1836, 79.0991, 86.1389**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **38.7845, 49.9719, 7.6014** is the 20% darker color. If you saturate the color by 10%, you get **71.0956, 89.6803, 16.0970**, and if you desaturate by 10%, it is **74.2444, 91.1128, 24.8625**.

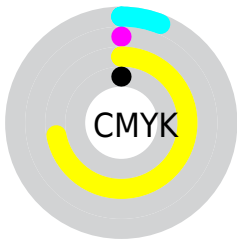
Distribution



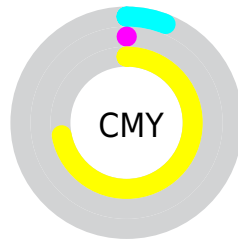
- Red (94%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (34%)



- Cyan (6%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (6%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.4939, 90.3257, 19.5750 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 72.4939, 90.3257, 19.5750 by changing the saturation by 10% instead.


 72.4939, 90.3257,
19.5750

 72.4939, 90.3257,
19.5750


458.3899,
529.0898, 262.1327

 53.8491, 68.2508,
11.9055

 121.7655,
147.7907, 43.5530


 38.7113, 50.1018,
6.5576


 153.1230,
183.9496, 60.6987


 26.7149, 35.4943,
3.1128


 189.4488,
225.5720, 81.8401

 17.4947, 24.0439,
1.1525

 231.1083,
273.0423, 107.3958

 10.6853, 15.3662,
0.0000

 278.4668,
326.7448, 137.7843

 5.9214, 9.0768,
0.0000

331.8896,

 2.8375, 4.7913,

387.0639, 173.4243

0.0000

391.7422,
454.3841, 214.7342

■ 1.0684, 2.1253,
0.0000

■ 0.0000, 0.6788,
0.0000

■ 72.4939, 90.3257,
19.5750

■ 72.4939, 90.3257,
19.5750

■ 71.0956, 89.6803,
16.0970

■ 74.2444, 91.1128,
24.8625

■ 70.0035, 89.1586,
14.1819

■ 76.3855, 92.0574,
32.1575

■ 69.3068, 88.8140,
13.4900

■ 78.9504, 93.1725,
41.6358

■ 81.9686, 94.4700,
53.4530

■ 85.4672, 95.9607,
67.7509

■ 89.4708, 97.6546,
84.6596

■ 94.0026, 99.5607,
104.3004

■ 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.



95.3946, 90.3257, 18.3189



72.4939, 90.3257, 19.5750



56.3977, 90.3257, 34.9231

Triad

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



72.4939, 90.3257, 19.5750



59.1568, 90.3257, 229.6856



138.0527, 90.3257, 127.1526

Complementary

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



72.4939, 90.3257, 19.5750



24.2349, 13.7540, 95.9852

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.



124.1051, 90.3257, 212.0442



72.4939, 90.3257, 19.5750



76.9678, 90.3257, 286.9329

Square

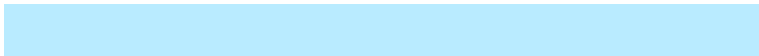
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.4939, 90.3257, 19.5750



49.7206, 90.3257, 144.5750



100.7575, 90.3257, 279.3111



136.2555, 90.3257, 63.2049

Rectangle

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



72.4939, 90.3257, 19.5750



50.3874, 90.3257, 57.7704



100.7575, 90.3257, 279.3111



134.9597, 90.3257, 154.5131

Sweetspot

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



72.4938, 90.3256, 19.5762



85.5250, 95.9853, 67.9913



45.7325, 28.4250, 9.0386



18.0919, 20.4539, 13.6667



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.



72.4938, 90.3256, 19.5762



70.5314, 89.4134, 14.9910



49.0508, 78.2403, 18.4790



19.3962, 21.0057, 19.1765



36.2789, 46.4406, 7.0518



3.5763, 4.5444, 0.6887

Inverse Universe

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



24.2349, 13.7540, 95.9852



20.0371, 9.0579, 95.3000



38.7410, 21.2322, 96.6641



17.1494, 17.4532, 22.7149



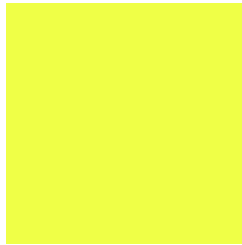
9.6562, 3.8884, 49.6762



0.9877, 0.4031, 4.8390

Previews

White Background



This preview shows how the XYZ color 72.4939, 90.3257, 19.5750 looks on a white background.

Color Contrast Check

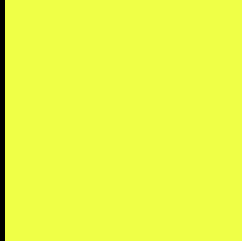
Large Text (above 18pt) WCAG AA × Fail

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 72.4939, 90.3257, 19.5750 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 72.4939, 90.3257, 19.5750

Background



This preview shows how black text looks on a background with the XYZ color 72.4939, 90.3257, 19.5750.



This preview shows how white text looks on a background with the XYZ color 72.4939, 90.3257,

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

72.4939, 90.3257, 19.5750

Protanopia

84.0160, 90.1315, 67.6126

Deuteranopia

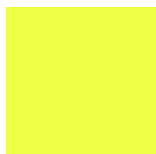
86.4228, 89.6616, 84.7030



Tritanopia

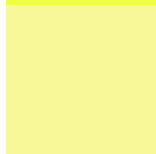
90.1565, 90.2130, 107.2688

Trichromacy



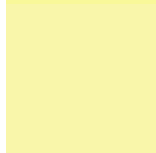
Original Color

72.4939, 90.3257, 19.5750



Protanomaly

78.3841, 89.5744, 43.2953



Deuteranomaly

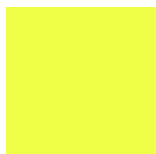
79.2784, 88.9536, 51.0215



Tritanomaly

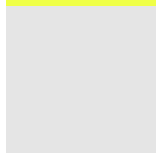
80.7964, 89.0754, 60.5118

Monochromacy



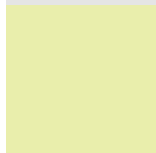
Original Color

72.4939, 90.3257, 19.5750



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.6252, 81.4513, 50.9763

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.4939, 90.3257, 19.5750 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(239, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(239, 255, 71)  
}
```

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(239, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 72.4939, 90.3257, 19.5750 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(239, 255, 71) }
```


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

```
.border{ border-color:rgb(239, 255, 71) }
```

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

Here you see how a box with a 4 pixel rgb(239, 255, 71) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(239, 255,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 72.4939, 90.3257, 19.5750 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 255, 71) }
```

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

```
.background{ background-color: rgb(239,  
255, 71) }
```

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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