

Converting Colors

XYZ(71.7148, 89.4660, 18.7991)

Have a look what the booklet for
XYZ(71.7148, 89.4660, 18.7991)
contains.

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Color

**XYZ(71.7148, 89.4660,
18.7991)**

Conversions

Conversions Part 1

Format	Color
Hex	EEFE43
RGB	238, 254, 67
RGB Percent	93%, 100%, 26%
CMY	0.0667, 0.0039, 0.7372
CMYK	0.06, 0.00, 0.74, 0.00
HSL	65°, 99%, 63%
HSV	65°, 74%, 100%
XYZ	71.7148, 89.4660, 18.7991
YIQ	227.8980, 50.4910, -61.5490

Conversions

Conversions Part 2

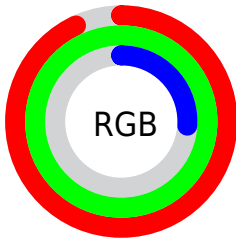
Format	Color
RYB	67, 254, 83
Decimal	15662659
CIELab	95.77, -26.60, 81.35
CIELCh	96, 85.586, 108.105
Yxy	89.4660, 0.3985, 0.4971
Android (android.graphics.Color)	4293852739 (0xFFEEFE43)
YUV	227.8980, -79.3227, 8.8595
Hunter-Lab	94.5865, -30.1889, 54.4266

Details

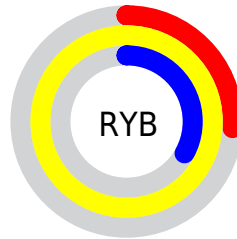
The XYZ color **71.7148, 89.4660, 18.7991** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **23.4666, 13.0111, 95.0460**, and the grayscale version is **74.2067, 78.0712, 85.0196**.

A 20% lighter version of the original color is **80.8963, 94.3385, 34.3675**, and **38.3263, 49.3975, 7.5147** is the 20% darker color. If you saturate the color by 10%, you get **70.3888, 88.8550, 15.5946**, and if you desaturate by 10%, it is **73.3877, 90.2233, 23.7659**.

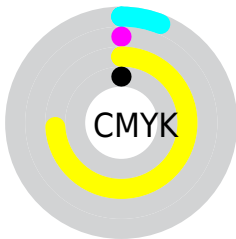
Distribution



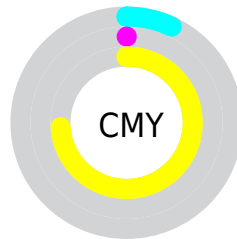
- Red (93%)
- Green (100%)
- Blue (26%)



- Red (26%)
- Yellow (100%)
- Blue (33%)



- Cyan (6%)
- Magenta (0%)
- Yellow (74%)
- Black (0%)



- Cyan (7%)
- Magenta (0%)
- Yellow (74%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.7148, 89.4660, 18.7991 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 71.7148, 89.4660, 18.7991 by changing the saturation by 10% instead.

71.7148, 89.4660,
18.7991

71.7148, 89.4660,
18.7991

455.7214,
526.2922, 257.7231

53.2104, 67.5378,
11.3499

120.6640,
146.5964, 42.2265

38.1989, 49.5218,
6.1856

151.8394,
182.5675, 59.0418

26.3150, 35.0336,
2.8876

187.9692,
223.9883, 79.8161

17.1934, 23.6888,
1.0375

229.4188,
271.2432, 104.9681

10.4686, 15.1029,
0.0000

276.5534,
324.7167, 134.9162

5.7754, 8.8916,
0.0000

329.7385,

2.7483, 4.6706,

384.7931, 170.0791

0.0000

389.3393,
451.8568, 210.8752

■ 1.0221, 2.0553,
0.0000

■ 0.0000, 0.6393,
0.0000

■ 71.7148, 89.4660,
18.7991

■ 71.7148, 89.4660,
18.7991

■ 70.3888, 88.8550,
15.5946

■ 73.3877, 90.2233,
23.7659

■ 69.3560, 88.3591,
13.8979

■ 75.4400, 91.1301,
30.6938

■ 68.8081, 88.0877,
13.3760

■ 77.9074, 92.2039,
39.7609

■ 80.8196, 93.4567,
51.1238

■ 84.2036, 94.8993,
64.9247

■ 88.0843, 96.5416,
81.2940

■ 92.4846, 98.3927,
100.3531

■ 94.7339, 99.3678,
108.7946

Harmonies

Analogous

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



94.7214, 89.4660, 17.6097



71.7148, 89.4660, 18.7991



55.5656, 89.4660, 33.9081

Triad

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



71.7148, 89.4660, 18.7991



58.2212, 89.4660, 229.4789



137.5341, 89.4660, 126.6870

Complementary

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



71.7148, 89.4660, 18.7991



23.4666, 13.0111, 95.0460

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.



123.4251, 89.4660, 212.3214



71.7148, 89.4660, 18.7991



76.0321, 89.4660, 287.5969

Square

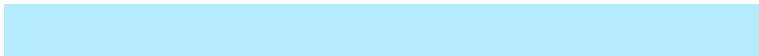
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.7148, 89.4660, 18.7991



48.8247, 89.4660, 143.5688



99.9096, 89.4660, 280.1718



135.7905, 89.4660, 62.3907

Rectangle

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



71.7148, 89.4660, 18.7991



49.5361, 89.4660, 56.5886



99.9096, 89.4660, 280.1718



134.3951, 89.4660, 154.2677

Sweetspot

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



71.7169, 89.4701, 18.8010



85.5524, 95.9994, 67.9926



44.9508, 27.6015, 8.2698



18.0985, 20.4573, 13.6670



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.



71.7169, 89.4701, 18.8010



70.5248, 89.4140, 14.8104



48.1209, 77.3059, 17.6967



19.3988, 21.0070, 19.1767



36.3374, 46.4707, 7.0546



3.5813, 4.5470, 0.6889

Inverse Universe

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



23.4666, 13.0111, 95.0460



19.8356, 8.8525, 95.2710



37.8230, 20.4120, 95.7178



17.1471, 17.4520, 22.7148



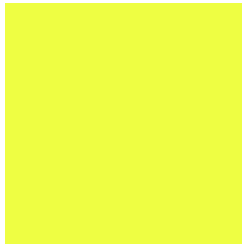
9.6516, 3.8861, 49.6760



0.9866, 0.4025, 4.8390

Previews

White Background



This preview shows how the XYZ color 71.7148, 89.4660, 18.7991 looks on a white background.

Color Contrast Check

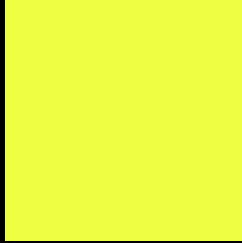
Large Text (above 18pt) WCAG AA × Fail

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 71.7148, 89.4660, 18.7991 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

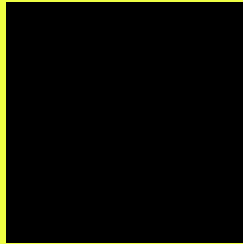
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 71.7148, 89.4660, 18.7991

Background



This preview shows how black text looks on a background with the XYZ color 71.7148, 89.4660, 18.7991.

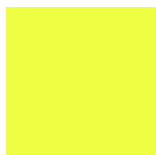


This preview shows how white text looks on a background with the XYZ color 71.7148, 89.4660,

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



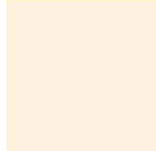
Original Color

71.7148, 89.4660, 18.7991



Protanopia

83.1409, 89.3013, 64.4846



Deuteranopia

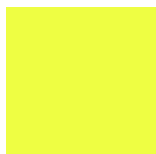
85.7194, 88.9079, 82.4551



Tritanopia

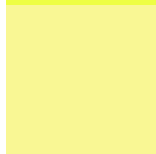
89.5742, 89.0484, 107.0747

Trichromacy



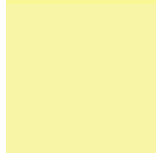
Original Color

71.7148, 89.4660, 18.7991



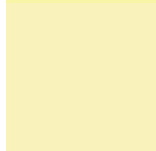
Protanomaly

77.6730, 88.7994, 41.0632



Deuteranomaly

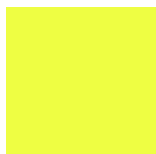
78.6023, 88.1977, 48.9575



Tritanomaly

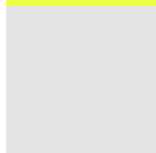
80.0872, 87.8288, 59.7453

Monochromacy



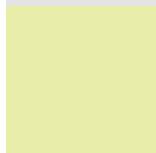
Original Color

71.7148, 89.4660, 18.7991



Achromatopsia

73.7419, 77.5822, 84.4870



Achromatomaly

70.7243, 80.5888, 49.3637

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.7148, 89.4660, 18.7991 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(238, 254, 67)` looks like.

```
.text, #text, p{  
    color:rgb(238, 254, 67)  
}
```

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(238, 254, 67) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 254, 67) }
```

Border

The CSS property to change the border of an element to XYZ 71.7148, 89.4660, 18.7991 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(238, 254, 67) }
```


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

```
.border{ border-color:rgb(238, 254, 67) }
```

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

Here you see how a box with a 4 pixel `rgb(238, 254, 67)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 254, 67); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 254, 67);  
box-shadow:4px 4px 4px 4px rgb(238, 254,  
67) }
```

Background

The CSS property to change the background color of an element to XYZ 71.7148, 89.4660, 18.7991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 254, 67) }
```

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

```
.background{ background-color: rgb(238,  
254, 67) }
```

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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