

Converting Colors

XYZ(72.6832, 91.6048, 19.7643)

Have a look what the booklet for
XYZ(72.6832, 91.6048, 19.7643)
contains.

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Color

**XYZ(71.8224, 89.9795,
19.5436)**

Conversions

Conversions Part 1

Format	Color
Hex	EDFF47
RGB	237, 255, 71
RGB Percent	93%, 100%, 28%
CMY	0.0706, 0.0000, 0.7215
CMYK	0.07, 0.00, 0.72, 0.00
HSL	66°, 100%, 64%
HSV	66°, 72%, 100%
XYZ	71.8224, 89.9795, 19.5436
YIQ	228.6420, 48.3360, -61.0400

Conversions

Conversions Part 2

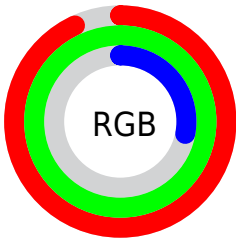
Format	Color
R_{YB}	71, 255, 89
Decimal	15597383
CIE _{Lab}	95.99, -27.29, 80.27
CIE _{LCh}	96, 84.778, 108.778
Yxy	89.9795, 0.3961, 0.4962
Android (android.graphics.Color)	4293787463 (0xFFEDFF47)
YUV	228.6420, -77.7175, 7.3300
Hunter-Lab	94.8575, -30.8475, 54.1847

Details

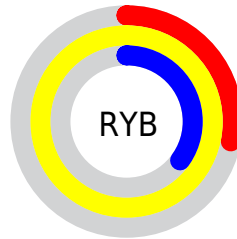
The XYZ color **71.8224, 89.9795, 19.5436** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **24.4243, 13.8516, 95.9941**, and the grayscale version is **74.7407, 78.6331, 85.6314**.

A 20% lighter version of the original color is **81.0967, 94.4187, 35.4231**, and **38.3255, 49.7353, 7.5799** is the 20% darker color. If you saturate the color by 10%, you get **70.3411, 89.2913, 16.0617**, and if you desaturate by 10%, it is **73.6584, 90.8107, 24.8352**.

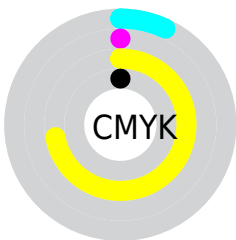
Distribution



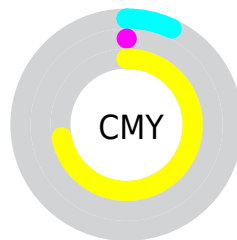
- Red (93%)
- Green (100%)
- Blue (28%)



- Red (28%)
- Yellow (100%)
- Blue (35%)



- Cyan (7%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 71.8224, 89.9795, 19.5436 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 71.8224, 89.9795, 19.5436 by changing the saturation by 10% instead.


 71.8224, 89.9795,
19.5436


 71.8224, 89.9795,
19.5436


456.0904,
527.9642, 261.9555

 53.2986, 67.9636,
11.8829


 120.8162,
147.3099, 43.4995


 38.2696, 49.8682,
6.5425


 152.0168,
183.3933, 60.6319


 26.3702, 35.3087,
3.1036


 188.1737,
224.9346, 81.7585

 17.2349, 23.9007,
1.1478

 229.6523,
272.3182, 107.2981

 10.4984, 15.2600,
0.0000

 276.8179,
325.9286, 137.6690

 5.7955, 9.0021,
0.0000

330.0359,

 2.7606, 4.7425,

386.1501, 173.2898

0.0000

389.6716,
453.3672, 214.5792

■ 1.0285, 2.0970,
0.0000

■ 0.0000, 0.6629,
0.0000

■ 71.8224, 89.9795,
19.5436

■ 71.8224, 89.9795,
19.5436

■ 70.3411, 89.2913,
16.0617

■ 73.6584, 90.8107,
24.8352


■ 69.1682, 88.7280,
14.1428


■ 75.8874, 91.8006,
32.1343


■ 68.4099, 88.3517,
13.4480

■ 78.5426, 92.9623,
41.6168

■ 81.6536, 94.3076,
53.4384

 85.2474, 95.8474,
67.7407

 89.3488, 97.5917,
84.6540

 93.9807, 99.5495,
104.2995

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.



94.5955, 89.9795, 18.0792



71.8224, 89.9795, 19.5436



55.9100, 89.9795, 35.1631

Triad

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



71.8224, 89.9795, 19.5436



59.1326, 89.9795, 230.6248



137.7736, 89.9795, 125.2950

Complementary

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



71.8224, 89.9795, 19.5436



24.4243, 13.8516, 95.9941

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.



124.0902, 89.9795, 209.9941



71.8224, 89.9795, 19.5436



77.0496, 89.9795, 286.8990

Square

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



71.8224, 89.9795, 19.5436



49.5611, 89.9795, 145.6615



100.8633, 89.9795, 277.9842



135.6725, 89.9795, 62.0258

Rectangle

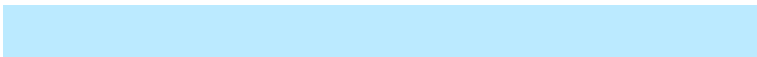
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.8224, 89.9795, 19.5436



50.0195, 89.9795, 58.2890



100.8633, 89.9795, 277.9842



134.7801, 89.9795, 152.5053

Sweetspot

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



71.8224, 89.9794, 19.5448



85.3067, 95.8727, 67.9811



45.7326, 28.4250, 9.0386



18.0396, 20.4269, 13.6642



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.



71.8224, 89.9794, 19.5448



69.7375, 89.0041, 14.9538



49.0508, 78.2403, 18.4791



19.3757, 20.9951, 19.1756



35.8172, 46.2025, 7.0302



3.5361, 4.5237, 0.6868

Inverse Universe

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



24.4243, 13.8516, 95.9941



20.1656, 9.1242, 95.3060



38.7411, 21.2322, 96.6641



17.1678, 17.4627, 22.7158



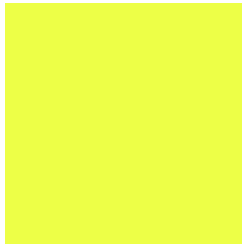
9.6945, 3.9082, 49.6780



0.9964, 0.4076, 4.8394

Previews

White Background



This preview shows how the XYZ color 71.8224, 89.9795, 19.5436 looks on a white background.

Color Contrast Check

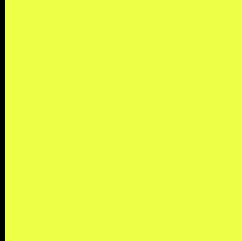
Large Text (above 18pt) WCAG AA × Fail

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 71.8224, 89.9795, 19.5436 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 71.8224, 89.9795, 19.5436

Background



This preview shows how black text looks on a background with the XYZ color 71.8224, 89.9795, 19.5436.



This preview shows how white text looks on a background with the XYZ color 71.8224, 89.9795,

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



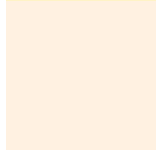
Original Color

71.8224, 89.9795, 19.5436



Protanopia

83.4836, 89.4384, 66.2894



Deuteranopia

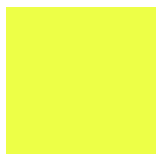
86.2859, 89.6068, 83.9823



Tritanopia

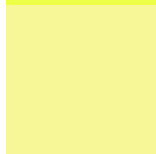
89.4245, 89.8357, 107.2346

Trichromacy



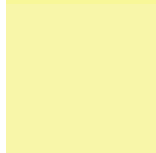
Original Color

71.8224, 89.9795, 19.5436



Protanomaly

77.6397, 88.7450, 42.7432



Deuteranomaly

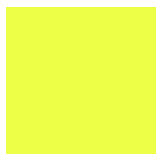
78.8286, 88.7326, 50.5085



Tritanomaly

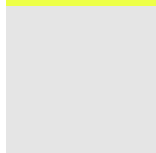
80.0873, 88.7098, 60.4786

Monochromacy



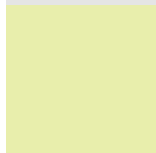
Original Color

71.8224, 89.9795, 19.5436



Achromatopsia

74.4753, 78.3538, 85.3273



Achromatomaly

71.2996, 81.2834, 50.9611

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8224, 89.9795, 19.5436 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(237, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(237, 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(237, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 71.8224, 89.9795, 19.5436 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(237, 255, 71) }
```


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

```
.border{ border-color:rgb(237, 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(237, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(237, 255,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8224, 89.9795, 19.5436 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 255, 71) }
```

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

```
.background{ background-color: rgb(237,  
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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