

Converting Colors

XYZ(71.8161, 82.2824, 12.5223)

Have a look what the booklet for
XYZ(71.8161, 82.2824, 12.5223)
contains.

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Color

**XYZ(71.8938, 82.4408,
12.5389)**

Conversions

Conversions Part 1

Format	Color
Hex	FFEE0E
RGB	255, 238, 14
RGB Percent	100%, 93%, 5%
CMY	0.0000, 0.0666, 0.9450
CMYK	0.00, 0.07, 0.94, 0.00
HSL	56°, 100%, 53%
HSV	56°, 94%, 100%
XYZ	71.8938, 82.4408, 12.5389
YIQ	217.5470, 82.0360, -66.0600

Conversions

Conversions Part 2

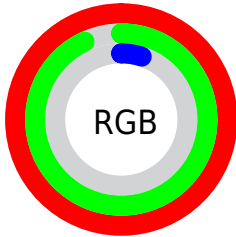
Format	Color
R _Y B	32, 255, 14
Decimal	16772622
CIE Lab	92.77, -13.26, 90.23
CIE LCh	93, 91.199, 98.362
Yxy	82.4408, 0.4308, 0.4940
Android (android.graphics.Color)	4294962702 (0xFFFFEE0E)
YUV	217.5470, -100.3487, 32.8463
Hunter-Lab	90.7969, -17.5567, 55.3700

Details

The XYZ color **71.8938, 82.4408, 12.5389** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **18.7219, 8.2945, 95.2212**, and the grayscale version is **66.9620, 70.4492, 76.7192**.

A 20% lighter version of the original color is **79.1113, 93.6245, 24.9681**, and **38.9258, 45.2044, 6.6737** is the 20% darker color. If you saturate the color by 10%, you get **71.5290, 81.8385, 12.0264**, and if you desaturate by 10%, it is **72.7174, 83.6153, 14.2723**.

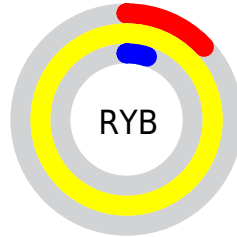
Distribution



Red (100%)

Green (93%)

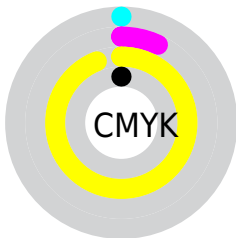
Blue (5%)



Red (13%)

Yellow (100%)

Blue (5%)

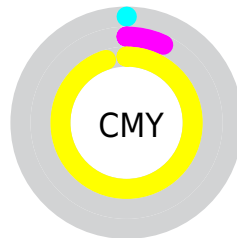


Cyan (0%)

Magenta (7%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (7%)

Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 71.8938, 82.4408, 12.5389 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 71.8938, 82.4408, 12.5389 by changing the saturation by 10% instead.


 71.8938, 82.4408,
12.5389


 71.8938, 82.4408,
12.5389


456.3352,
503.1210, 219.0441

 53.3571, 61.7289,
6.9848


 120.9171,
136.7920, 31.1518

 38.3165, 44.8137,
3.3743


 152.1345,
171.2001, 45.0478


 26.4068, 31.3107,
1.2888


 188.3094,
210.9424, 62.5614

 17.2625, 20.8356,
0.0526

 229.8073,
256.4033, 84.1113

 10.5183, 13.0039,
0.0000

 276.9934,
307.9673, 110.1159

 5.8088, 7.4312,
0.0000

 330.2332,

 2.7687, 3.7332,

366.0186, 140.9939

0.0000

389.8921,
430.9417, 177.1638

■ 1.0327, 1.5255,
0.0000

■ 0.0000, 0.3066,
0.0000

■ 71.8938, 82.4408,
12.5389

■ 71.8938, 82.4408,
12.5389

■ 71.5290, 81.8385,
12.0264

■ 72.7174, 83.6153,
14.2723

■ 73.8287, 84.9101,
17.5033

■ 75.2785, 86.3487,
22.4903

■ 77.1064, 87.9470,
29.4428

79.3467, 89.7187,
38.5408

82.0298, 91.6760,
49.9441

85.1830, 93.8298,
63.7971

88.8317, 96.1904,
80.2327

92.9991, 98.7671,
99.3740

Harmonies

Analogous

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



96.4572, 82.4408, 14.7690



71.8938, 82.4408, 12.5389



53.2662, 82.4408, 21.2574

Triad

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



71.8938, 82.4408, 12.5389



47.6935, 82.4408, 198.0396



129.0110, 82.4408, 147.2305

Complementary

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



71.8938, 82.4408, 12.5389



18.7219, 8.2945, 95.2212

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.



110.3011, 82.4408, 236.5816



71.8938, 82.4408, 12.5389



62.6767, 82.4408, 274.8129

Square

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



71.8938, 82.4408, 12.5389



41.2649, 82.4408, 110.1880



85.1975, 82.4408, 291.6677



132.8638, 82.4408, 72.0339

Rectangle

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



71.8938, 82.4408, 12.5389



45.5180, 82.4408, 37.1031



85.1975, 82.4408, 291.6677



124.0920, 82.4408, 177.4716

Sweetspot

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



71.8957, 82.4447, 12.5406



84.0246, 93.0535, 58.6604



41.6874, 21.6908, 3.5112



17.6965, 19.7196, 11.2919



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.



71.8957, 82.4447, 12.5406



71.5296, 81.8392, 12.0265



49.2790, 78.4797, 12.9673



19.4451, 20.8584, 19.1455



37.4223, 42.8558, 6.2996



3.6752, 4.2358, 0.6239

Inverse Universe

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



18.7219, 8.2945, 95.2212



18.2660, 7.6520, 95.1220



25.2031, 11.1412, 95.4291



17.1059, 17.5833, 22.7423



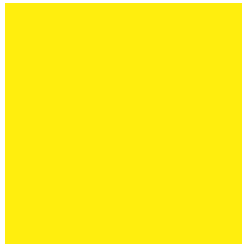
9.5817, 4.0730, 49.7157



0.9671, 0.4649, 4.8520

Previews

White Background



This preview shows how the XYZ color 71.8938, 82.4408, 12.5389 looks on a white background.

Color Contrast Check

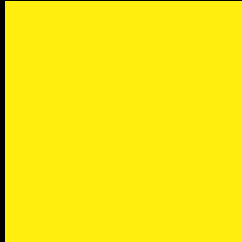
Large Text (above 18pt) WCAG AA × Fail

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 71.8938, 82.4408, 12.5389 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 71.8938, 82.4408, 12.5389

Background



This preview shows how black text looks on a background with the XYZ color 71.8938, 82.4408, 12.5389.



This preview shows how white text looks on a background with the XYZ color 71.8938, 82.4408,

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

71.8938, 82.4408, 12.5389



Protanopia

75.6820, 82.5701, 36.7597



Deuteranopia

80.1247, 82.5353, 65.7407



Tritanopia

83.9951, 82.3126, 91.5817

Trichromacy



Original Color

71.8938, 82.4408, 12.5389



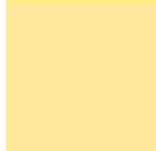
Protanomaly

73.2558, 82.0591, 22.5677



Deuteranomaly

74.8277, 81.7716, 33.6694



Tritanomaly

75.8167, 80.8121, 43.0548

Monochromacy



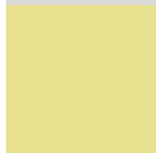
Original Color

71.8938, 82.4408, 12.5389



Achromatopsia

66.6397, 70.1102, 76.3500



Achromatomaly

64.9143, 72.8530, 37.0262

CSS Examples

Text

The CSS property to change the color of the text to XYZ 71.8938, 82.4408, 12.5389 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(255, 238, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 238, 14)  
}
```

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(255, 238, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 238, 14) }
```

Border

The CSS property to change the border of an element to XYZ 71.8938, 82.4408, 12.5389 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(255, 238, 14) }
```


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

```
.border{ border-color:rgb(255, 238, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 238, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 238, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 238, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 238,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 71.8938, 82.4408, 12.5389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 238, 14) }
```

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

```
.background{ background-color: rgb(255,  
238, 14) }
```

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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