

Converting Colors

XYZ(72.1729, 83.1259, 12.2410)

Have a look what the booklet for
XYZ(72.1729, 83.1259, 12.2410)
contains.

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Color

**XYZ(72.1065, 82.9930,
12.2188)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFEF00 |
| RGB | 255, 239, 0 |
| RGB Percent | 100%, 94%, 0% |
| CMY | 0.0000, 0.0627, 0.9999 |
| CMYK | 0.00, 0.06, 1.00, 0.00 |
| HSL | 56°, 100%, 50% |
| HSV | 56°, 100%, 100% |
| XYZ | 72.1065, 82.9930, 12.2188 |
| YIQ | 216.5380, 86.2550, -70.9370 |

Conversions

Conversions Part 2

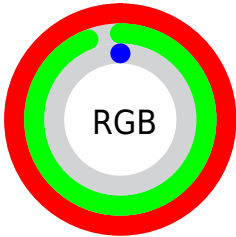
| Format | Color |
|-------------------------------------|---------------------------------|
| R _Y B | 17, 255, 0 |
| Decimal | 16772864 |
| CIE Lab | 93.01, -13.86, 91.48 |
| CIE LCh | 93, 92.526, 98.614 |
| Yxy | 82.9930, 0.4310, 0.4960 |
| Android (android.graphics.Color) | 4294962944 (0xFFFFEF00) |
| YUV | 216.5380, -106.7532, 33.7312 |
| Hunter-Lab | 91.1005, -18.1422, 55.8181 |

Details

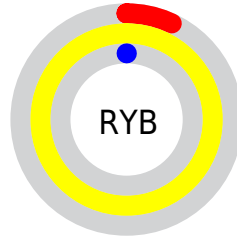
The XYZ color **72.1065, 82.9930, 12.2188** is a light color, and the websafe version is hex **FFFF33**, and the color name is **canary yellow**. The color can be described as light saturated yellow. A complement of this color would be **18.2360, 7.5915, 95.1111**, and the grayscale version is **66.3077, 69.7608, 75.9695**.

A 20% lighter version of the original color is **78.9758, 93.5703, 24.2543**, and **38.9258, 45.2044, 6.6737** is the 20% darker color. If you saturate the color by 10%, you get **72.1076, 82.9956, 12.2193**, and if you desaturate by 10%, it is **72.7598, 84.0101, 13.3309**.

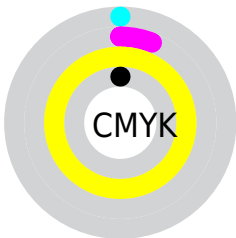
Distribution



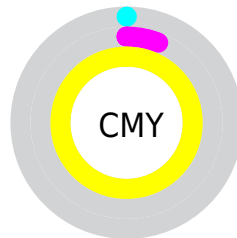
- Red (100%)
- Green (94%)
- Blue (0%)



- Red (7%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (100%)
- Black (0%)





- Cyan (0%)
- Magenta (6%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.1065, 82.9930, 12.2188 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 72.1065, 82.9930, 12.2188 by changing the saturation by 10% instead.


 72.1065, 82.9930,
12.2188

 72.1065, 82.9930,
12.2188


457.0641,
504.9632, 216.8775

 53.5315, 62.1844,
6.7685


 121.2179,
137.5657, 30.5633


 38.4564, 45.1817,
3.2415


 152.4850,
172.0985, 44.2946


 26.5159, 31.6006,
1.2192


 188.7135,
211.9748, 61.6234

 17.3447, 21.0566,
0.0000

 230.2687,
257.5791, 82.9681

 10.5774, 13.1654,
0.0000

 277.5160,
309.2957, 108.7474

 5.8486, 7.5425,
0.0000

 330.8208,

 2.7930, 3.8036,

367.5089, 139.3796

0.0000

390.5483,
432.6033, 175.2835

■ 1.0453, 1.5643,
0.0000

■ 0.0000, 0.3334,
0.0000

■ 72.1065, 82.9930,
12.2188

■ 72.1065, 82.9930,
12.2188

■ 72.1076, 82.9956,
12.2193

■ 72.7598, 84.0101,
13.3309

■ 73.6514, 85.1260,
15.6850

■ 74.8549, 86.3733,
19.6616

■ 76.4146, 87.7697,
25.4929

■ 78.3673, 89.3301,
33.3735

■ 80.7454, 91.0673,
43.4735

■ 83.5779, 92.9930,
55.9452

■ 86.8911, 95.1178,
70.9276

■ 90.7094, 97.4513,
88.5487

Harmonies

Analogous

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



97.1239, 82.9930, 14.3568



72.1065, 82.9930, 12.2188



53.2283, 82.9930, 21.0550

Triad

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



72.1065, 82.9930, 12.2188



47.7862, 82.9930, 201.8605



130.7154, 82.9930, 148.2883

Complementary

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



72.1065, 82.9930, 12.2188



18.2360, 7.5915, 95.1111

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.



111.6840, 82.9930, 239.8986



72.1065, 82.9930, 12.2188



63.0810, 82.9930, 280.3007

Square

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



72.1065, 82.9930, 12.2188



41.1968, 82.9930, 111.8647



86.0699, 82.9930, 296.9624



134.5085, 82.9930, 71.8136

Rectangle

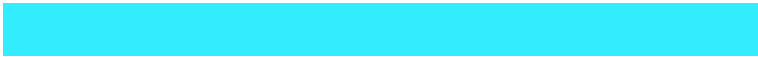
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.1065, 82.9930, 12.2188



45.4140, 82.9930, 37.1579



86.0699, 82.9930, 296.9624



125.7253, 82.9930, 179.2119

Sweetspot

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



72.1084, 82.9969, 12.2205



83.5745, 92.9911, 55.9274



41.3415, 21.3011, 2.4642



17.6206, 19.7251, 10.7817



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.



72.1084, 82.9969, 12.2205



72.1081, 82.9963, 12.2194



47.3515, 77.4952, 12.4634



19.4579, 20.8840, 19.1498



37.7199, 43.4510, 6.3988



3.7010, 4.2874, 0.6325

Inverse Universe

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



18.2360, 7.5915, 95.1111



18.2352, 7.5904, 95.1117



24.5454, 10.5691, 95.3533



17.0944, 17.5605, 22.7385



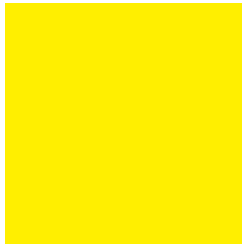
9.5629, 4.0354, 49.7095



0.9617, 0.4541, 4.8502

Previews

White Background



This preview shows how the XYZ color 72.1065, 82.9930, 12.2188 looks on a white background.

Color Contrast Check

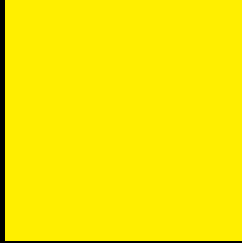
Large Text (above 18pt) WCAG AA × Fail

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 72.1065, 82.9930, 12.2188 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 72.1065, 82.9930, 12.2188

Background



This preview shows how black text looks on a background with the XYZ color 72.1065, 82.9930, 12.2188.



This preview shows how white text looks on a background with the XYZ color 72.1065, 82.9930,

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

72.1065, 82.9930, 12.2188



Protanopia

76.1366, 82.7520, 39.1540



Deuteranopia

80.3585, 82.6289, 66.9720



Tritanopia

84.2695, 82.8612, 91.6731

Trichromacy



Original Color

72.1065, 82.9930, 12.2188



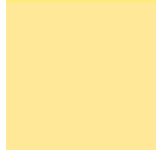
Protanomaly

73.2112, 82.0412, 22.3328



Deuteranomaly

74.5591, 81.6641, 32.2551



Tritanomaly

75.6825, 81.2076, 40.9639

Monochromacy



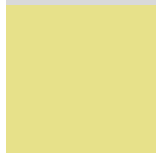
Original Color

72.1065, 82.9930, 12.2188



Achromatopsia

65.9525, 69.3872, 75.5626



Achromatomaly

64.4677, 72.6743, 34.6745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.1065, 82.9930, 12.2188 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, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 0)  
}
```

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, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 0) }
```

Border

The CSS property to change the border of an element to XYZ 72.1065, 82.9930, 12.2188 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, 239, 0) }
```


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

```
.border{ border-color:rgb(255, 239, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 239, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 72.1065, 82.9930, 12.2188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 0) }
```

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

```
.background{ background-color: rgb(255,  
239, 0) }
```

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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