

Converting Colors

XYZ(73.2221, 89.2616, 13.3703)

Have a look what the booklet for
XYZ(73.2221, 89.2616, 13.3703)
contains.

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Color

**XYZ(73.1682, 89.3950,
13.3986)**

Conversions

Conversions Part 1

Format	Color
Hex	F7FC00
RGB	247, 252, 0
RGB Percent	97%, 99%, 0%
CMY	0.0314, 0.0117, 0.9998
CMYK	0.02, 0.00, 1.00, 0.01
HSL	61°, 100%, 49%
HSV	61°, 100%, 99%
XYZ	73.1682, 89.3950, 13.3986
YIQ	221.7770, 77.9120, -79.4320

Conversions

Conversions Part 2

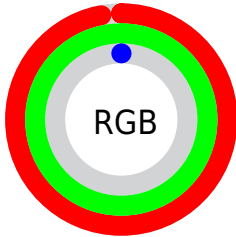
Format	Color
RYB	0, 252, 5
Decimal	16251904
CIELab	95.75, -23.42, 93.19
CIELCh	96, 96.082, 104.105
Yxy	89.3950, 0.4158, 0.5080
Android (android.graphics.Color)	4294441984 (0xFFFF7FC00)
YUV	221.7770, -109.3361, 22.1206
Hunter-Lab	94.5489, -27.3255, 57.7822

Details

The XYZ color **73.1682, 89.3950, 13.3986** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **17.6354, 7.0621, 92.5348**, and the grayscale version is **69.9880, 73.6328, 80.1862**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **39.9896, 49.9190, 7.5276** is the 20% darker color. If you saturate the color by 10%, you get **73.1697, 89.3989, 13.3993**, and if you desaturate by 10%, it is **73.5250, 89.5615, 14.3453**.

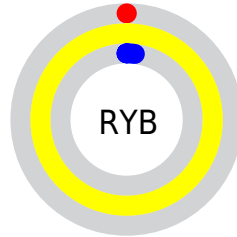
Distribution



Red (97%)

Green (99%)

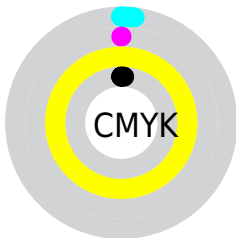
Blue (0%)



Red (0%)

Yellow (99%)

Blue (2%)

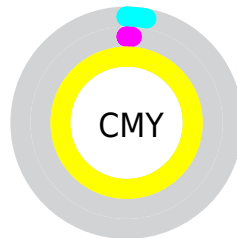


Cyan (2%)

Magenta (0%)

Yellow (100%)

Black (1%)



Cyan (3%)


Magenta (1%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.1682, 89.3950, 13.3986 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 73.1682, 89.3950, 13.3986 by changing the saturation by 10% instead.


 73.1682, 89.3950,
13.3986


 73.1682, 89.3950,
13.3986


460.6923,
526.0608, 224.7535

 54.4024, 67.4790,
7.5696


 122.7178,
146.4977, 32.7197

 39.1554, 49.4740,
3.7370


 154.2323,
182.4532, 47.0489


 27.0619, 34.9956,
1.4822


 190.7271,
223.8573, 65.0486

 17.7565, 23.6595,
0.2046

 232.5674,
271.0944, 87.1373

 10.8740, 15.0812,
0.0000

 280.1188,
324.5490, 113.7336

 6.0488, 8.8764,
0.0000

 333.7465,

 2.9157, 4.6607,

384.6053, 145.2561

0.0000

393.8159,
451.6478, 182.1232

■ 1.1094, 2.0496,
0.0000

■ 0.0329, 0.6360,
0.0000

■ 73.1682, 89.3950,
13.3986

■ 73.1682, 89.3950,
13.3986

■ 73.1697, 89.3989,
13.3993

■ 73.5250, 89.5615,
14.3453

■ 74.1095, 89.8158,
16.4980

■ 74.9941, 90.1902,
20.2282

■ 76.2216, 90.7018,
25.7614

■ 77.8278, 91.3649,
33.2865

■ 79.8441, 92.1922,
42.9688

■ 82.2987, 93.1947,
54.9561

■ 85.2170, 94.3829,
69.3835

■ 88.6229, 95.7661,
86.3754

Harmonies

Analogous

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



99.6680, 89.3950, 13.7150



73.1682, 89.3950, 13.3986



54.2640, 89.3950, 25.7437

Triad

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



73.1682, 89.3950, 13.3986



53.4353, 89.3950, 237.9354



143.8538, 89.3950, 142.9145

Complementary

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



73.1682, 89.3950, 13.3986



17.6354, 7.0621, 92.5348

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.



125.4970, 89.3950, 243.8207



73.1682, 89.3950, 13.3986



71.7882, 89.3950, 315.3103

Square

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



73.1682, 89.3950, 13.3986



44.5777, 89.3950, 137.3127



97.9711, 89.3950, 317.8951



144.4386, 89.3950, 65.9854

Rectangle

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



73.1682, 89.3950, 13.3986



46.9421, 89.3950, 46.5837



97.9711, 89.3950, 317.8951



139.4098, 89.3950, 175.7909

Sweetspot

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



73.1702, 89.3992, 13.4004



84.5290, 95.7273, 56.4052



40.1936, 20.7888, 1.8954



17.8530, 20.3918, 10.8981



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.



73.1702, 89.3992, 13.4004



75.1600, 91.8314, 13.7639



42.8139, 73.7499, 11.9798



18.6913, 20.1721, 18.3709



38.1286, 46.5743, 6.9801



3.5419, 4.3190, 0.6470

Inverse Universe

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



17.6354, 7.0621, 92.5348



18.1134, 7.2527, 95.0530



26.8123, 11.7930, 92.9642



16.3149, 16.6595, 21.7410



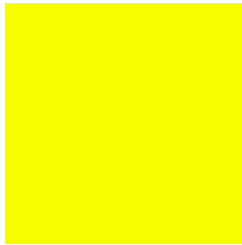
9.1997, 3.6853, 48.2000



0.8629, 0.3469, 4.4647

Previews

White Background



This preview shows how the XYZ color 73.1682, 89.3950, 13.3986 looks on a white background.

Color Contrast Check

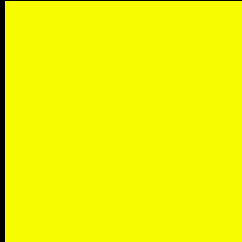
Large Text (above 18pt) WCAG AA × Fail

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 73.1682, 89.3950, 13.3986 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 73.1682, 89.3950, 13.3986

Background



This preview shows how black text looks on a background with the XYZ color 73.1682, 89.3950, 13.3986.

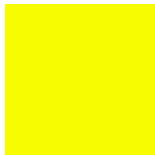


This preview shows how white text looks on a background with the XYZ color 73.1682, 89.3950,

Color Blindness Simulation

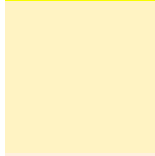
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

73.1682, 89.3950, 13.3986



Protanopia

83.1409, 89.3013, 64.4846



Deuteranopia

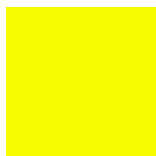
85.7194, 88.9079, 82.4551



Tritanopia

88.7578, 89.1864, 101.3436

Trichromacy



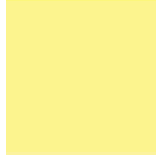
Original Color

73.1682, 89.3950, 13.3986



Protanomaly

76.7387, 88.0622, 32.0219



Deuteranomaly

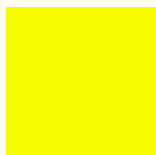
77.3781, 87.3498, 38.3731



Tritanomaly

78.3670, 87.2653, 45.0612

Monochromacy



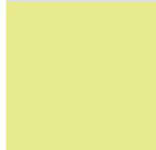
Original Color

73.1682, 89.3950, 13.3986



Achromatopsia

69.4303, 73.0461, 79.5472



Achromatomaly

66.9016, 77.1898, 36.5723

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.1682, 89.3950, 13.3986 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(247, 252, 0)` looks like.

```
.text, #text, p{  
    color:rgb(247, 252, 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(247, 252, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 252, 0) }
```

Border

The CSS property to change the border of an element to XYZ 73.1682, 89.3950, 13.3986 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(247, 252, 0) }
```


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

```
.border{ border-color:rgb(247, 252, 0) }
```

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

Here you see how a box with a 4 pixel rgb(247, 252, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 252, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 252, 0);  
box-shadow:4px 4px 4px 4px rgb(247, 252,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 73.1682, 89.3950, 13.3986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 252, 0) }
```

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

```
.background{ background-color: rgb(247,  
252, 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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