

Converting Colors

XYZ(73.7693, 86.1962, 13.1504)

Have a look what the booklet for
XYZ(73.7693, 86.1962, 13.1504)
contains.

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Color

**XYZ(73.6699, 85.9931,
13.1310)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF40E
RGB	255, 244, 14
RGB Percent	100%, 96%, 5%
CMY	0.0000, 0.0431, 0.9450
CMYK	0.00, 0.04, 0.94, 0.00
HSL	57°, 100%, 53%
HSV	57°, 94%, 100%
XYZ	73.6699, 85.9931, 13.1310
YIQ	221.0690, 80.3860, -69.1980

Conversions

Conversions Part 2

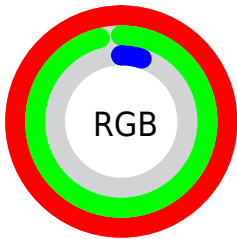
Format	Color
R _Y B	26, 255, 14
Decimal	16774158
CIE Lab	94.31, -16.18, 91.38
CIE LCh	94, 92.798, 100.042
Yxy	85.9931, 0.4263, 0.4977
Android (android.graphics.Color)	4294964238 (0xFFFFF40E)
YUV	221.0690, -102.0850, 29.7575
Hunter-Lab	92.7325, -20.4752, 56.5172

Details

The XYZ color **73.6699, 85.9931, 13.1310** 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 **18.5795, 8.0097, 95.1736**, and the grayscale version is **69.4353, 73.0514, 79.5529**.

A 20% lighter version of the original color is **79.1577, 93.6431, 25.2121**, and **39.9755, 47.3039, 7.0236** is the 20% darker color. If you saturate the color by 10%, you get **73.4001, 85.5809, 12.6502**, and if you desaturate by 10%, it is **74.3186, 86.8177, 14.8063**.

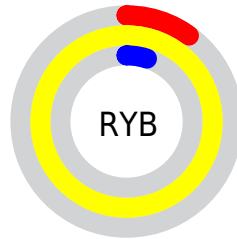
Distribution



Red (100%)

Green (96%)

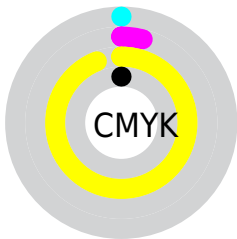
Blue (5%)



Red (10%)

Yellow (100%)

Blue (5%)

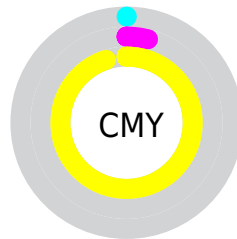


Cyan (0%)

Magenta (4%)

Yellow (94%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.6699, 85.9931, 13.1310 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 73.6699, 85.9931, 13.1310 by changing the saturation by 10% instead.


 73.6699, 85.9931,
13.1310

 73.6699, 85.9931,
13.1310


462.4012,
514.9085, 222.9928


 54.8142, 64.6623,
7.3870


 123.4258,
141.7599, 32.2336


 39.4863, 47.1873,
3.6232


 155.0567,
176.9646, 46.4292


 27.3206, 33.1837,
1.4210

 191.6767,
217.5627, 64.2792

 17.9520, 22.2672,
0.1580

 233.6512,
263.9387, 86.2021

 11.0150, 14.0534,
0.0000

 281.3456,
316.4768, 112.6163

 6.1443, 8.1578,
0.0000

 335.1251,

 2.9745, 4.1961,

375.5616, 143.9405

0.0000

395.3552,
441.5773, 180.5931

■ 1.1403, 1.7838,
0.0000

■ 0.0584, 0.4771,
0.0000

■ 73.6699, 85.9931,
13.1310

■ 73.6699, 85.9931,
13.1310


■ 73.4001, 85.5809,
12.6502


■ 74.3186, 86.8177,
14.8063


■ 75.2519, 87.7563,
17.9781


■ 76.5205, 88.8327,
22.9049


■ 78.1643, 90.0626,
29.7963

 80.2174, 91.4599,
38.8321

 82.7102, 93.0366,
50.1722

 85.6701, 94.8037,
63.9610

 89.1223, 96.7713,
80.3314

 93.0903, 98.9488,
99.4064

Harmonies

Analogous

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



99.1810, 85.9931, 14.8566



73.6699, 85.9931, 13.1310



54.6496, 85.9931, 23.0194

Triad

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



73.6699, 85.9931, 13.1310



50.2980, 85.9931, 212.3825



135.4727, 85.9931, 148.6374

Complementary

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



73.6699, 85.9931, 13.1310



18.5795, 8.0097, 95.1736

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.



116.5499, 85.9931, 242.6341



73.6699, 85.9931, 13.1310



66.4631, 85.9931, 290.5725

Square

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



73.6699, 85.9931, 13.1310



43.0868, 85.9931, 119.6215



90.3658, 85.9931, 303.8139



138.4933, 85.9931, 71.7088

Rectangle

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



73.6699, 85.9931, 13.1310



46.8874, 85.9931, 40.5121



90.3658, 85.9931, 303.8139



130.6024, 85.9931, 180.1036

Sweetspot

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



73.6718, 85.9972, 13.1327



84.5796, 94.1635, 58.8454



41.5844, 21.6496, 2.9690



17.8331, 19.9929, 11.3374



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.



73.6718, 85.9972, 13.1327



73.4009, 85.5817, 12.6503



47.7935, 77.7138, 12.8978



19.4860, 20.9402, 19.1592



38.3847, 44.7806, 6.6204



3.7585, 4.4023, 0.6516

Inverse Universe

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



18.5795, 8.0097, 95.1736



18.1771, 7.4741, 95.0924



26.2995, 11.7065, 95.4802



17.0695, 17.5105, 22.7302



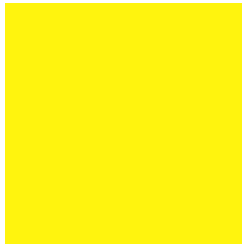
9.5262, 3.9620, 49.6972



0.9499, 0.4305, 4.8463

Previews

White Background



This preview shows how the XYZ color 73.6699, 85.9931, 13.1310 looks on a white background.

Color Contrast Check

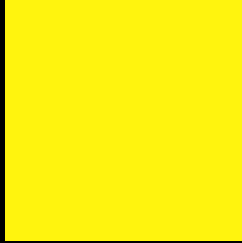
Large Text (above 18pt) WCAG AA × Fail

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 73.6699, 85.9931, 13.1310 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 73.6699, 85.9931, 13.1310

Background



This preview shows how black text looks on a background with the XYZ color 73.6699, 85.9931, 13.1310.



This preview shows how white text looks on a background with the XYZ color 73.6699, 85.9931,

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

73.6699, 85.9931, 13.1310



Protanopia

79.4572, 85.9333, 50.9270



Deuteranopia

82.9933, 85.9541, 73.8446



Tritanopia

86.4059, 85.9486, 96.0401

Trichromacy



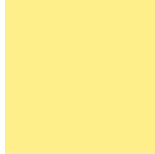
Original Color

73.6699, 85.9931, 13.1310



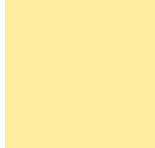
Protanomaly

75.7326, 85.3855, 28.4091



Deuteranomaly

76.7667, 84.8571, 36.7591



Tritanomaly

77.7822, 84.3316, 44.9789

Monochromacy



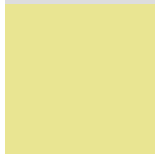
Original Color

73.6699, 85.9931, 13.1310



Achromatopsia

68.7264, 72.3055, 78.7407



Achromatomaly

66.8119, 75.4376, 38.2337

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.6699, 85.9931, 13.1310 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, 244, 14)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 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, 244, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 14) }
```

Border

The CSS property to change the border of an element to XYZ 73.6699, 85.9931, 13.1310 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, 244, 14) }
```


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

```
.border{ border-color:rgb(255, 244, 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, 244, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 14);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
14) }
```

Background

The CSS property to change the background color of an element to XYZ 73.6699, 85.9931, 13.1310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 14) }
```

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

```
.background{ background-color: rgb(255,  
244, 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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