

Converting Colors

XYZ(74.7305, 87.9516, 13.9860)

Have a look what the booklet for
XYZ(74.7305, 87.9516, 13.9860)
contains.

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Color

**XYZ(74.6872, 87.8561,
13.9988)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF71A
RGB	255, 247, 26
RGB Percent	100%, 97%, 10%
CMY	0.0000, 0.0313, 0.8980
CMYK	0.00, 0.03, 0.90, 0.00
HSL	58°, 100%, 55%
HSV	58°, 90%, 100%
XYZ	74.6872, 87.8561, 13.9988
YIQ	224.1980, 75.7090, -67.0350

Conversions

Conversions Part 2

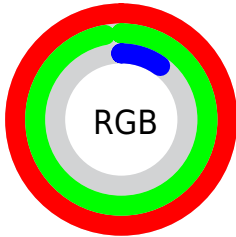
Format	Color
R _Y B	34, 255, 26
Decimal	16774938
CIE Lab	95.10, -17.49, 90.61
CIE LCh	95, 92.282, 100.923
Yxy	87.8561, 0.4231, 0.4976
Android (android.graphics.Color)	4294965018 (0xFFFFF71A)
YUV	224.1980, -97.7116, 27.0134
Hunter-Lab	93.7316, -21.7979, 56.7572

Details

The XYZ color **74.6872, 87.8561, 13.9988** 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 **19.0487, 8.5845, 95.2599**, and the grayscale version is **71.6361, 75.3667, 82.0744**.

A 20% lighter version of the original color is **79.3983, 93.7393, 26.4791**, and **40.8789, 48.7309, 7.2515** is the 20% darker color. If you saturate the color by 10%, you get **74.2338, 87.2436, 12.9421**, and if you desaturate by 10%, it is **75.3844, 88.5749, 16.3158**.

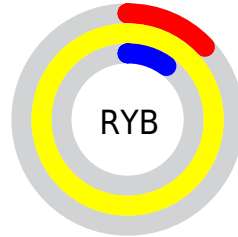
Distribution



Red (100%)

Green (97%)

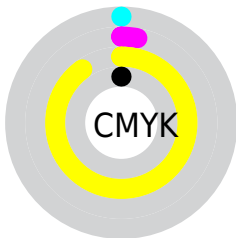
Blue (10%)



Red (13%)

Yellow (100%)

Blue (10%)

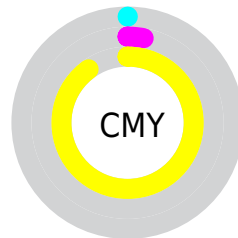


Cyan (0%)

Magenta (3%)

Yellow (90%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.6872, 87.8561, 13.9988 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 74.6872, 87.8561, 13.9988 by changing the saturation by 10% instead.


 74.6872, 87.8561,
13.9988


 74.6872, 87.8561,
13.9988


465.8555,
521.0319, 228.6515


 55.6499, 66.2039,
7.9811


 124.8598,
144.3568, 33.8040

 40.1582, 48.4379,
3.9952


 156.7258,
179.9741, 48.4286


 27.8467, 34.1738,
1.6227


 193.5987,
221.0152, 66.7592

 18.3500, 23.0272,
0.3070

 235.8440,
267.8645, 89.2143

 11.3028, 14.6136,
0.0000

 283.8270,
320.9065, 116.2126

 6.3396, 8.5486,
0.0000

337.9130,

 3.0953, 4.4480,

380.5254, 148.1725

0.0000

398.4674,
447.1057, 185.5127

■ 1.2044, 1.9272,
0.0000

■ 0.1098, 0.5646,
0.0000

■ 74.6872, 87.8561,
13.9988

■ 74.6872, 87.8561,
13.9988

■ 74.2338, 87.2436,
12.9421

■ 75.3844, 88.5749,
16.3158

■ 74.2255, 87.2314,
12.9253

■ 76.3897, 89.4156,
20.2575

■ 77.7491, 90.4001,
26.0568

■ 79.4992, 91.5430,
33.9080

81.6725, 92.8572,
43.9807

84.2977, 94.3542,
56.4269

87.4012, 96.0447,
71.3852

91.0073, 97.9384,
88.9838

95.0496, 99.9998,
108.9000

Harmonies

Analogous

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



100.2975, 87.8561, 15.4599



74.6872, 87.8561, 13.9988



55.7063, 87.8561, 24.6081

Triad

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



74.6872, 87.8561, 13.9988



52.0818, 87.8561, 217.8083



137.9413, 87.8561, 148.3368

Complementary

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



74.6872, 87.8561, 13.9988



19.0487, 8.5845, 95.2599

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.



119.2860, 87.8561, 242.7657



74.6872, 87.8561, 13.9988



68.6992, 87.8561, 294.8412

Square

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



74.6872, 87.8561, 13.9988



44.5074, 87.8561, 124.3218



92.9900, 87.8561, 305.7499



140.4391, 87.8561, 71.7818

Rectangle

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



74.6872, 87.8561, 13.9988



48.0208, 87.8561, 42.9734



92.9900, 87.8561, 305.7499



133.1994, 87.8561, 179.8098

Sweetspot

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



74.6892, 87.8602, 14.0006



85.1170, 94.8079, 60.3516



41.9508, 22.1360, 3.8507



18.0057, 20.1749, 11.8978



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.



74.6892, 87.8602, 14.0006



74.2261, 87.2322, 12.9254



48.8874, 78.2654, 13.5085



19.5037, 20.9755, 19.1651



38.8089, 45.6291, 6.7618



3.7950, 4.4754, 0.6638

Inverse Universe

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



19.0487, 8.5845, 95.2599



18.1466, 7.4132, 95.0822



27.4820, 12.6314, 95.5966



17.0538, 17.4793, 22.7250



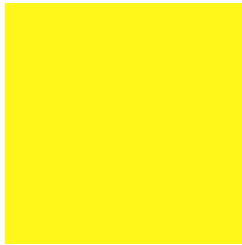
9.5040, 3.9175, 49.6898



0.9425, 0.4156, 4.8438

Previews

White Background



This preview shows how the XYZ color 74.6872, 87.8561, 13.9988 looks on a white background.

Color Contrast Check

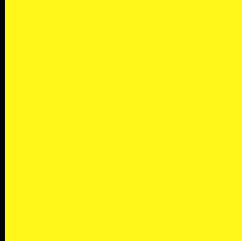
Large Text (above 18pt) WCAG AA × Fail

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 74.6872, 87.8561, 13.9988 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 74.6872, 87.8561, 13.9988

Background



This preview shows how black text looks on a background with the XYZ color 74.6872, 87.8561, 13.9988.



This preview shows how white text looks on a background with the XYZ color 74.6872, 87.8561,

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



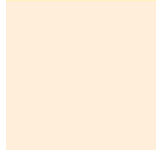
Original Color

74.6872, 87.8561, 13.9988



Protanopia

81.4523, 87.6734, 58.5286



Deuteranopia

84.4694, 87.4710, 78.7612



Tritanopia

87.5646, 87.7826, 97.9165

Trichromacy



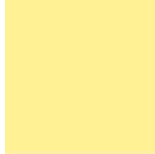
Original Color

74.6872, 87.8561, 13.9988



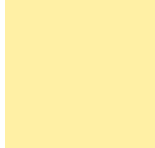
Protanomaly

77.1214, 86.8935, 32.7861



Deuteranomaly

78.0406, 86.3087, 40.5630



Tritanomaly

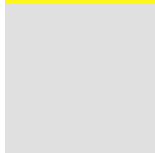
79.1916, 86.2968, 48.0804

Monochromacy



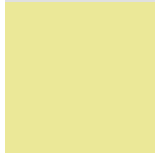
Original Color

74.6872, 87.8561, 13.9988



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.7851, 77.6424, 41.0669

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.6872, 87.8561, 13.9988 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, 247, 26)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 26)  
}
```

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, 247, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 26) }
```

Border

The CSS property to change the border of an element to XYZ 74.6872, 87.8561, 13.9988 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, 247, 26) }
```


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

```
.border{ border-color:rgb(255, 247, 26) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 26)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 26);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
26) }
```

Background

The CSS property to change the background color of an element to XYZ 74.6872, 87.8561, 13.9988 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 26) }
```

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

```
.background{ background-color: rgb(255,  
247, 26) }
```

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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