

Converting Colors

XYZ(97.2903, 100.0000,
15.0039)

Have a look what the booklet for
XYZ(97.2903, 100.0000, 15.0039)
contains.

XYZ(74.9621, 88.4567, 13.9335)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(74.9621, 88.4567,
13.9335)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF817
RGB	255, 248, 23
RGB Percent	100%, 97%, 9%
CMY	0.0000, 0.0274, 0.9097
CMYK	0.00, 0.03, 0.91, 0.00
HSL	58°, 100%, 55%
HSV	58°, 91%, 100%
XYZ	74.9621, 88.4567, 13.9335
YIQ	224.4430, 76.3970, -68.4910

Conversions

Conversions Part 2

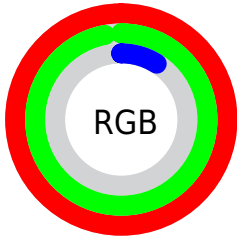
Format	Color
R _Y B	30, 255, 23
Decimal	16775191
CIE Lab	95.35, -18.01, 91.20
CIE LCh	95, 92.964, 101.170
Yxy	88.4567, 0.4227, 0.4988
Android (android.graphics.Color)	4294965271 (0xFFFFF817)
YUV	224.4430, -99.3114, 26.7985
Hunter-Lab	94.0514, -22.3196, 57.0523

Details

The XYZ color **74.9621, 88.4567, 13.9335** 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 **18.8683, 8.3315, 95.2208**, and the grayscale version is **71.8233, 75.5637, 82.2889**.

A 20% lighter version of the original color is **79.3490, 93.7196, 26.2195**, and **41.0978, 49.1686, 7.3244** is the 20% darker color. If you saturate the color by 10%, you get **74.5963, 87.9730, 13.0488**, and if you desaturate by 10%, it is **75.5904, 89.0903, 16.0650**.

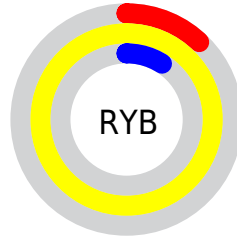
Distribution



Red (100%)

Green (97%)

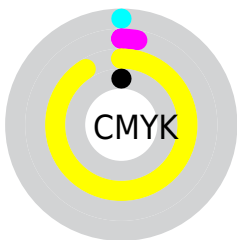
Blue (9%)



Red (12%)

Yellow (100%)

Blue (9%)

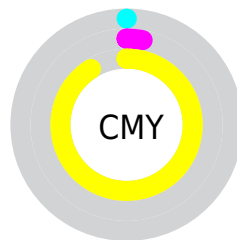


Cyan (0%)

Magenta (3%)

Yellow (91%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (91%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 74.9621, 88.4567, 13.9335 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 74.9621, 88.4567, 13.9335 by changing the saturation by 10% instead.

74.9621, 88.4567,
13.9335

74.9621, 88.4567,
13.9335

466.7865,
522.9977, 228.2308

55.8759, 66.7014,
7.9362

125.2469,
145.1928, 33.6864

40.3400, 48.8420,
3.9670

157.1762,
180.9424, 48.2791

27.9892, 34.4941,
1.6072

194.1173,
222.1255, 66.5740

18.4579, 23.2735,
0.2960

236.4355,
269.1265, 88.9897

11.3809, 14.7956,
0.0000

284.4962,
322.3298, 115.9447

6.3928, 8.6760,
0.0000

338.6646,

3.1283, 4.5305,

382.1199, 147.8575

0.0000

399.3063,
448.8810, 185.1467

■ 1.2220, 1.9745,
0.0000

■ 0.1236, 0.5926,
0.0000

■ 74.9621, 88.4567,
13.9335

■ 74.9621, 88.4567,
13.9335

■ 74.5963, 87.9730,
13.0488

■ 75.5904, 89.0903,
16.0650

■ 76.5205, 89.8428,
19.7904

■ 77.7997, 90.7364,
25.3485

■ 79.4653, 91.7863,
32.9369

■ 81.5500, 93.0053,
42.7278

■ 84.0831, 94.4052,
54.8749

■ 87.0912, 95.9967,
69.5184

■ 90.5988, 97.7896,
86.7874

94.6288, 99.7929,
106.8021

Harmonies

Analogous

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



100.8493, 88.4567, 15.3095



74.9621, 88.4567, 13.9335



55.8419, 88.4567, 24.7197

Triad

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



74.9621, 88.4567, 13.9335



52.4022, 88.4567, 220.8957



139.3082, 88.4567, 148.8967

Complementary

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



74.9621, 88.4567, 13.9335



18.8683, 8.3315, 95.2208

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.



120.5100, 88.4567, 244.6860



74.9621, 88.4567, 13.9335



69.2730, 88.4567, 298.6988

Square

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



74.9621, 88.4567, 13.9335



44.6782, 88.4567, 126.0405



93.8990, 88.4567, 309.1046



141.6867, 88.4567, 71.6731

Rectangle

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



74.9621, 88.4567, 13.9335



48.1288, 88.4567, 43.3749



93.8990, 88.4567, 309.1046



134.5460, 88.4567, 180.7597

Sweetspot

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



74.9641, 88.4609, 13.9353



85.2204, 95.0146, 60.3861



41.7906, 21.9711, 3.3175



18.0306, 20.2247, 11.9061



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.



74.9641, 88.4609, 13.9353



74.5968, 87.9736, 13.0489



47.9011, 77.7607, 13.2963



19.5115, 20.9912, 19.1677



38.9995, 46.0102, 6.8254



3.8114, 4.5082, 0.6693

Inverse Universe

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



18.8683, 8.3315, 95.2208



18.1334, 7.3869, 95.0778



27.7597, 12.6810, 95.5917



17.0469, 17.4654, 22.7226



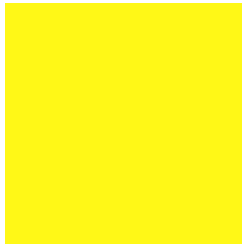
9.4941, 3.8977, 49.6865



0.9392, 0.4090, 4.8427

Previews

White Background



This preview shows how the XYZ color 74.9621, 88.4567, 13.9335 looks on a white background.

Color Contrast Check

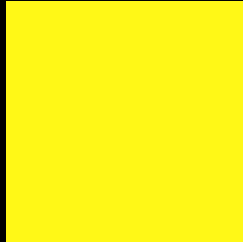
Large Text (above 18pt) WCAG AA × Fail

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 74.9621, 88.4567, 13.9335 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 74.9621, 88.4567, 13.9335

Background



This preview shows how black text looks on a background with the XYZ color 74.9621, 88.4567, 13.9335.



This preview shows how white text looks on a background with the XYZ color 74.9621, 88.4567,

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



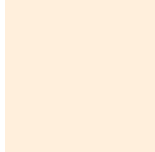
Original Color

74.9621, 88.4567, 13.9335



Protanopia

82.1774, 88.4384, 60.8832



Deuteranopia

85.0248, 88.1603, 80.2455



Tritanopia

88.0056, 88.4209, 98.8148

Trichromacy



Original Color

74.9621, 88.4567, 13.9335



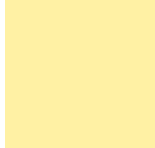
Protanomaly

77.5531, 87.5463, 33.5795



Deuteranomaly

78.3374, 86.9024, 40.6620



Tritanomaly

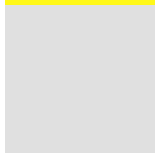
79.3961, 86.8509, 47.7012

Monochromacy



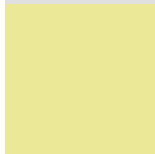
Original Color

74.9621, 88.4567, 13.9335



Achromatopsia

70.8507, 74.5404, 81.1745



Achromatomaly

68.9858, 78.1744, 40.7314

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.9621, 88.4567, 13.9335 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, 248, 23)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 23)  
}
```

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, 248, 23) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 23) }
```

Border

The CSS property to change the border of an element to XYZ 74.9621, 88.4567, 13.9335 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, 248, 23) }
```


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

```
.border{ border-color:rgb(255, 248, 23) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 23)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 23); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 23);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
23) }
```

Background

The CSS property to change the background color of an element to XYZ 74.9621, 88.4567, 13.9335 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 23) }
```

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

```
.background{ background-color: rgb(255,  
248, 23) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor