

# Converting Colors

XYZ(74.5076, 87.7953, 13.0192)

Have a look what the booklet for  
XYZ(74.5076, 87.7953, 13.0192)  
contains.

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# **Color**

**XYZ(74.5008, 87.7815,  
13.0169)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF700
RGB	255, 247, 0
RGB Percent	100%, 97%, 0%
CMY	0.0000, 0.0313, 0.9999
CMYK	0.00, 0.03, 1.00, 0.00
HSL	58°, 100%, 50%
HSV	58°, 100%, 100%
XYZ	74.5008, 87.7815, 13.0169
YIQ	221.2340, 84.0550, -75.1210

# Conversions

## Conversions Part 2

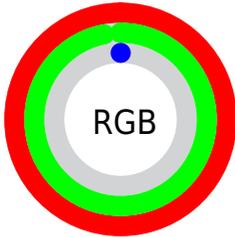
Format	Color
R <sub>Y</sub> B	8, 255, 0
Decimal	16774912
CIE Lab	95.07, -17.73, 92.97
CIE LCh	95, 94.649, 100.799
Yxy	87.7815, 0.4250, 0.5008
Android (android.graphics.Color)	4294964992 (0xFFFFFFFF700)
YUV	221.2340, -109.0684, 29.6128
Hunter-Lab	93.6918, -22.0230, 57.3469

# Details

The XYZ color **74.5008, 87.7815, 13.0169** is a light color, and the websafe version is hex **FFFF00**, and the color name is **lemon**. The color can be described as light saturated yellow. A complement of this color would be **18.1375, 7.3945, 95.0785**, and the grayscale version is **69.5984, 73.2229, 79.7397**.

A 20% lighter version of the original color is **79.0656, 93.6062, 24.7271**, and **40.6231, 48.5991, 7.2395** is the 20% darker color. If you saturate the color by 10%, you get **74.5022, 87.7848, 13.0175**, and if you desaturate by 10%, it is **74.9289, 88.3481, 14.0541**.

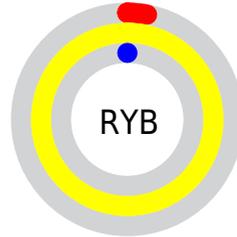
# Distribution



Red (100%)

Green (97%)

Blue (0%)



Red (3%)

Yellow (100%)

Blue (0%)



Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (3%)

Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 74.5008, 87.7815, 13.0169 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 74.5008, 87.7815, 13.0169 by changing the saturation by 10% instead.

 74.5008, 87.7815,  
13.0169

 74.5008, 87.7815,  
13.0169

465.2237,  
520.7874, 222.2376

 55.4968, 66.1421,  
7.3093

 124.5972,  
144.2529, 32.0258

 40.0350, 48.3878,  
3.5749

 156.4202,  
179.8538, 46.1641

 27.7502, 34.1341,  
1.3952

 193.2469,  
220.8772, 63.9499

 18.2769, 22.9966,  
0.1379

 235.4427,  
267.7077, 85.8015

 11.2499, 14.5910,  
0.0000

 283.3729,  
320.7295, 112.1375

 6.3037, 8.5329,  
0.0000

 337.4029,

 3.0730, 4.4378,

380.3272, 143.3765

0.0000

397.8981,  
446.8850, 179.9370

■ 1.1925, 1.9213,  
0.0000

■ 0.1004, 0.5612,  
0.0000

■ 74.5008, 87.7815,  
13.0169

■ 74.5008, 87.7815,  
13.0169

■ 74.5022, 87.7848,  
13.0175

■ 74.9289, 88.3481,  
14.0541

■ 75.5920, 89.0070,  
16.3322

■ 76.5640, 89.7911,  
20.2319

■ 77.8890, 90.7181,  
25.9852

■ 79.6039, 91.8028,  
33.7868

■ 81.7411, 93.0581,  
43.8067

■ 84.3295, 94.4956,  
56.1974

■ 87.3955, 96.1257,  
71.0977

■ 90.9633, 97.9583,  
88.6358

# Harmonies

## Analogous

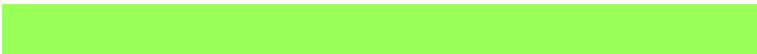
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



100.7894, 87.7815, 14.4918



74.5008, 87.7815, 13.0169



55.0965, 87.7815, 23.4296

# Triad

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



74.5008, 87.7815, 13.0169



51.2999, 87.7815, 221.3084



139.4346, 87.7815, 150.1751

# Complementary

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



74.5008, 87.7815, 13.0169



18.1375, 7.3945, 95.0785

# 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.



120.1249, 87.7815, 248.0103



74.5008, 87.7815, 13.0169



68.1943, 87.7815, 301.6087

# Square

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



74.5008, 87.7815, 13.0169



43.6536, 87.7815, 124.6689



93.0535, 87.7815, 313.3178



142.0936, 87.7815, 71.4078

# Rectangle

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



74.5008, 87.7815, 13.0169



47.2630, 87.7815, 41.7695



93.0535, 87.7815, 313.3178



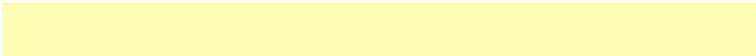
134.5139, 87.7815, 182.7336

# Sweetspot

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



74.5028, 87.7856, 13.0187



84.3259, 94.4939, 56.1779



41.2869, 21.2794, 2.1764



17.8035, 20.0910, 10.8427



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.



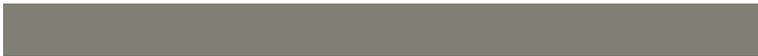
74.5028, 87.7856, 13.0187



74.5027, 87.7854, 13.0176



45.9161, 76.7553, 12.3963



19.5095, 20.9872, 19.1670



38.9511, 45.9134, 6.8092



3.8073, 4.4999, 0.6679



# Inverse Universe

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



18.1375, 7.3945, 95.0785



18.1368, 7.3935, 95.0789



25.6607, 11.1441, 95.4057



17.0487, 17.4689, 22.7232



9.4966, 3.9028, 49.6874

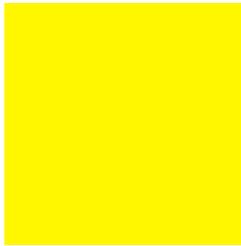


0.9400, 0.4107, 4.8430



# Previews

## White Background



This preview shows how the XYZ color 74.5008, 87.7815, 13.0169 looks on a white background.

## Color Contrast Check

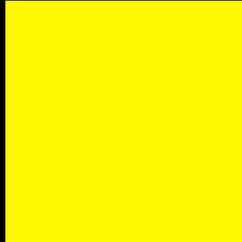
Large Text (above 18pt) WCAG AA × Fail

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 74.5008, 87.7815, 13.0169 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

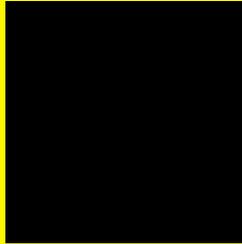
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 74.5008, 87.7815, 13.0169**

## **Background**



This preview shows how black text looks on a background with the XYZ color 74.5008, 87.7815, 13.0169.



This preview shows how white text looks on a background with the XYZ color 74.5008, 87.7815,



# 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



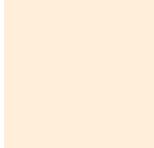
### Original Color

74.5008, 87.7815, 13.0169



### Protanopia

81.3470, 87.6313, 57.9745



### Deuteranopia

84.4694, 87.4710, 78.7612



## Tritanopia

87.5646, 87.7826, 97.9165

# Trichromacy



## Original Color

74.5008, 87.7815, 13.0169



## Protanomaly

76.5015, 86.6455, 29.5218



## Deuteranomaly

77.3555, 86.0347, 36.9554



## Tritanomaly

78.3165, 85.9467, 43.4720

# Monochromacy



## Original Color

74.5008, 87.7815, 13.0169



## Achromatopsia

68.7264, 72.3055, 78.7407



## Achromatomaly

66.7088, 75.8404, 36.3220

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 74.5008, 87.7815, 13.0169 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 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, 247, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 0) }
```

## Border

The CSS property to change the border of an element to XYZ 74.5008, 87.7815, 13.0169 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, 0) }
```

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

```
.border{ border-color:rgb(255, 247, 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, 247, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
0) }
```

# Background

The CSS property to change the background color of an element to XYZ 74.5008, 87.7815, 13.0169 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, 0) }
```

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

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