

Converting Colors

XYZ(75.9323, 87.2104, 37.9181)

Have a look what the booklet for
XYZ(75.9323, 87.2104, 37.9181)
contains.

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Color

**XYZ(75.8179, 87.0021,
37.9964)**

Conversions

Conversions Part 1

Format	Color
Hex	F7F58D
RGB	247, 245, 141
RGB Percent	97%, 96%, 55%
CMY	0.0314, 0.0392, 0.4470
CMYK	0.00, 0.01, 0.43, 0.03
HSL	59°, 87%, 76%
HSV	59°, 43%, 97%
XYZ	75.8179, 87.0021, 37.9964
YIQ	233.7420, 34.5760, -31.9200

Conversions

Conversions Part 2

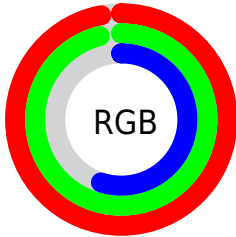
Format	Color
RYB	143, 247, 141
Decimal	16250253
CIELab	94.74, -13.61, 50.12
CIELCh	95, 51.938, 105.194
Yxy	87.0021, 0.3775, 0.4332
Android (android.graphics.Color)	4294440333 (0xFFFF7F58D)
YUV	233.7420, -45.7218, 11.6273
Hunter-Lab	93.2749, -18.1386, 41.1401

Details

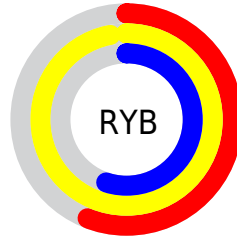
The XYZ color **75.8179, 87.0021, 37.9964** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.5954, 32.0222, 92.1949**, and the grayscale version is **78.3301, 82.4093, 89.7437**.

A 20% lighter version of the original color is **86.9638, 96.7655, 66.3187**, and **40.9453, 47.9186, 16.3237** is the 20% darker color. If you saturate the color by 10%, you get **74.0418, 86.0702, 29.3264**, and if you desaturate by 10%, it is **78.0085, 88.1066, 48.8285**.

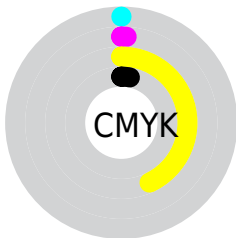
Distribution



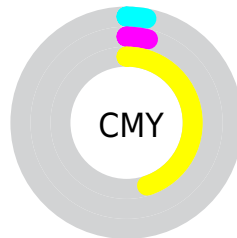
- Red (97%)
- Green (96%)
- Blue (55%)



- Red (56%)
- Yellow (97%)
- Blue (55%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (3%)





- Cyan (3%)
- Magenta (4%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.8179, 87.0021, 37.9964 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 75.8179, 87.0021, 37.9964 by changing the saturation by 10% instead.


 75.8179, 87.0021,
37.9964

 75.8179, 87.0021,
37.9964


469.6781,
518.2298, 352.9023

 56.5797, 65.4969,
25.6781


 126.4512,
143.1671, 73.3060

 40.9067, 47.8641,
16.3594


 158.5770,
178.5957, 97.1343

 28.4336, 33.7193,
9.6217


195.7295,
219.4342, 125.6364

 18.7949, 22.6781,
5.0466

238.2739,
266.0671, 159.2308

 11.6253, 14.3560,
2.2154

286.5756,
318.8787, 198.3361

 6.5594, 8.3687,
0.6832

340.9999,

 3.2320, 4.3317,

378.2534, 243.3707

0.0000

401.9123,
444.5756, 294.7532

■ 1.2776, 1.8608,
0.0000

■ 0.1664, 0.5247,
0.0000

■ 75.8179, 87.0021,
37.9964

■ 75.8179, 87.0021,
37.9964

■ 74.0418, 86.0702,
29.3264

■ 78.0085, 88.1066,
48.8285

■ 72.6462, 85.2880,
22.6679

■ 80.6322, 89.3818,
61.9491


■ 71.6023, 84.6470,
17.8596


■ 83.7142, 90.8408,
77.4812


■ 70.8744, 84.1330,
14.7134


■ 87.2759, 92.4923,
95.5376


 70.4190, 83.7285,
13.0009


 89.7691, 93.7170,
107.9656

 70.2156, 83.4900,
12.4144

 89.9116, 94.0019,
108.0131

 90.0544, 94.2875,
108.0607

 90.1976, 94.5739,
108.1084

 90.3411, 94.8609,
108.1562

Harmonies

Analogous

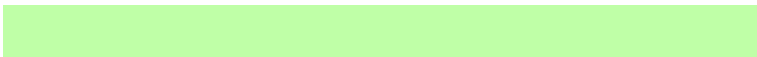
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7846, 87.0021, 37.9227



75.8179, 87.0021, 37.9964



64.9814, 87.0021, 50.0274

Triad

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



75.8179, 87.0021, 37.9964



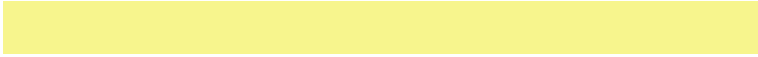
65.0916, 87.0021, 160.8479



111.6321, 87.0021, 115.8912

Complementary

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



75.8179, 87.0021, 37.9964



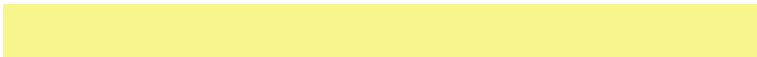
37.5954, 32.0222, 92.1949

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.



103.3616, 87.0021, 160.3211



75.8179, 87.0021, 37.9964



75.9848, 87.0021, 190.8517

Square

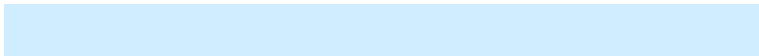
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.8179, 87.0021, 37.9964



59.2825, 87.0021, 116.4712



89.9714, 87.0021, 190.6354



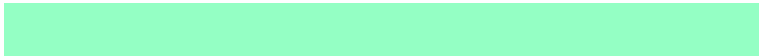
111.5742, 87.0021, 75.8790

Rectangle

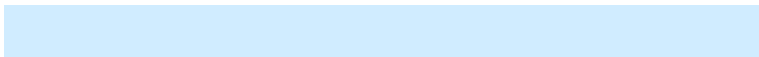
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.8179, 87.0021, 37.9964



60.5302, 87.0021, 65.8572



89.9714, 87.0021, 190.6354



109.6960, 87.0021, 131.0071

Sweetspot

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



75.8200, 87.0061, 37.9982



89.9662, 97.6488, 83.1083



52.9581, 40.8548, 31.6955



19.0906, 20.8230, 16.9506



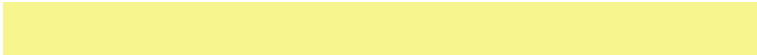
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

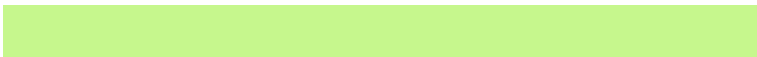
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.8200, 87.0061, 37.9982



79.9233, 92.7090, 33.0675



61.2348, 80.3872, 37.4894



17.8864, 19.2569, 17.5718



37.1475, 44.1805, 6.5698



3.2733, 3.8998, 0.5802

Inverse Universe

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



37.5954, 32.0222, 92.1949



34.1407, 26.8573, 97.9923



47.6661, 36.7736, 92.5812



15.6062, 15.9766, 20.8038



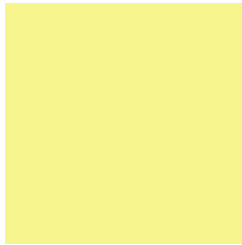
8.9169, 3.6275, 46.7682



0.7923, 0.3361, 4.1133

Previews

White Background



This preview shows how the XYZ color 75.8179, 87.0021, 37.9964 looks on a white background.

Color Contrast Check

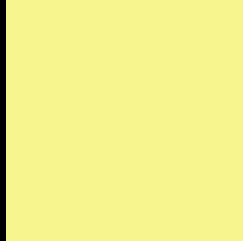
Large Text (above 18pt) WCAG AA × Fail

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 75.8179, 87.0021, 37.9964 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 75.8179, 87.0021, 37.9964

Background



This preview shows how black text looks on a background with the XYZ color 75.8179, 87.0021, 37.9964.



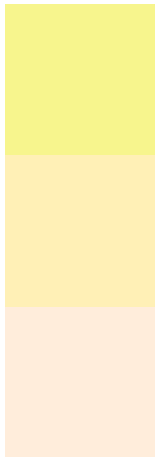
This preview shows how white text looks on a background with the XYZ color 75.8179, 87.0021,

37.9964.

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

75.8179, 87.0021, 37.9964

Protanopia

80.8436, 86.9576, 56.7795

Deuteranopia

84.3104, 86.9428, 79.3558



Tritanopia

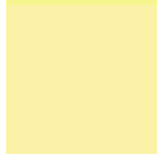
87.6061, 86.8829, 100.9597

Trichromacy



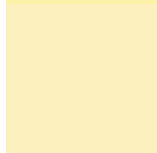
Original Color

75.8179, 87.0021, 37.9964



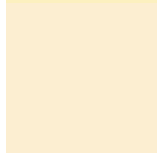
Protanomaly

78.8721, 86.9897, 49.1929



Deuteranomaly

80.7089, 86.7772, 61.7861



Tritanomaly

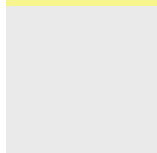
82.2280, 86.4480, 72.6738

Monochromacy



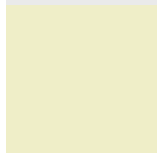
Original Color

75.8179, 87.0021, 37.9964



Achromatopsia

78.2058, 82.2786, 89.6014



Achromatomaly

76.5965, 83.6699, 66.7564

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.8179, 87.0021, 37.9964 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, 245, 141)` looks like.

```
.text, #text, p{  
    color:rgb(247, 245, 141)  
}
```

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, 245, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 245, 141) }
```

Border

The CSS property to change the border of an element to XYZ 75.8179, 87.0021, 37.9964 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, 245, 141) }
```


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

```
.border{ border-color:rgb(247, 245, 141) }
```

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

Here you see how a box with a 4 pixel rgb(247, 245, 141) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 245, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 245, 141);  
box-shadow:4px 4px 4px 4px rgb(247, 245,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 75.8179, 87.0021, 37.9964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 245, 141) }
```

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

```
.background{ background-color: rgb(247,  
245, 141) }
```

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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