

Converting Colors

XYZ(113.6780, 100.0000,
39.3218)

Have a look what the booklet for
XYZ(113.6780, 100.0000, 39.3218)
contains.

XYZ(74.4947, 79.8368, 37.4703)	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(74.4947, 79.8368,
37.4703)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE68F
RGB	255, 230, 143
RGB Percent	100%, 90%, 56%
CMY	0.0000, 0.0980, 0.4392
CMYK	0.00, 0.10, 0.44, 0.00
HSL	47°, 100%, 78%
HSV	47°, 44%, 100%
XYZ	74.4947, 79.8368, 37.4703
YIQ	227.5570, 42.8270, -21.7570

Conversions

Conversions Part 2

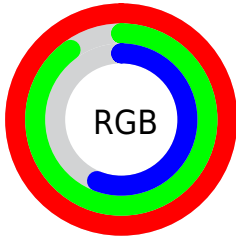
Format	Color
R_{YB}	175, 255, 143
Decimal	16770703
CIE _{Lab}	91.61, -2.85, 45.38
CIE _{LCh}	92, 45.472, 93.587
Yxy	79.8368, 0.3884, 0.4162
Android (android.graphics.Color)	4294960783 (0xFFFFE68F)
YUV	227.5570, -41.6866, 24.0675
Hunter-Lab	89.3514, -7.5448, 37.6822

Details

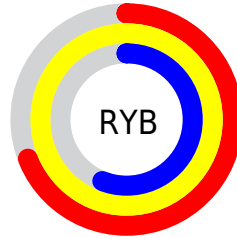
The XYZ color **74.4947, 79.8368, 37.4703** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.3799, 41.0634, 100.2471**, and the grayscale version is **73.6937, 77.5315, 84.4318**.

A 20% lighter version of the original color is **87.1930, 96.8572, 67.5258**, and **39.9832, 43.1510, 16.1192** is the 20% darker color. If you saturate the color by 10%, you get **71.2211, 76.0376, 27.9079**, and if you desaturate by 10%, it is **78.2630, 83.9225, 49.3654**.

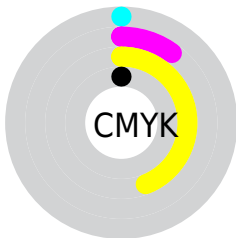
Distribution



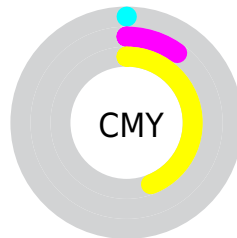
- Red (100%)
- Green (90%)
- Blue (56%)



- Red (69%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (10%)
- Yellow (44%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 74.4947, 79.8368, 37.4703 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 74.4947, 79.8368, 37.4703 by changing the saturation by 10% instead.


 74.4947, 79.8368,
37.4703


 74.4947, 79.8368,
37.4703


465.2030,
494.3827, 350.5720

 55.4917, 59.5841,
25.2732


 124.5886,
133.1363, 72.4899

 40.0310, 43.0835,
16.0598


 156.4102,
166.9518, 96.1495

 27.7470, 29.9506,
9.4117


193.2354,
206.0570, 124.4670

 18.2745, 19.8011,
4.9102

235.4296,
250.8363, 157.8609

 11.2481, 12.2505,
2.1369

283.3581,
301.6742, 196.7499

 6.3025, 6.9146,
0.6376

337.3862,

 3.0723, 3.4087,

358.9549, 241.5523

0.0000

397.8794,
423.0629, 292.6869

■ 1.1921, 1.3487,
0.0000

■ 0.1001, 0.1784,
0.0000

■ 74.4947, 79.8368,
37.4703

■ 74.4947, 79.8368,
37.4703

■ 71.2211, 76.0376,
27.9079

■ 78.2630, 83.9225,
49.3654

■ 68.4057, 72.5006,
20.5144

■ 82.5479, 88.2954,
63.7323

■ 66.0161, 69.2151,
15.1127

■ 87.3770, 92.9703,
80.7049

■ 64.0123, 66.1643,
11.4952

■ 92.7740, 97.9572,
100.4060

■ 62.3458, 63.3280, 95.0499, 99.9999,
9.4085 108.9000

■ 61.4556, 61.6914,
8.6686

Harmonies

Analogous

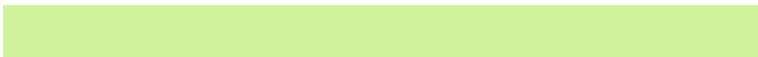
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.2491, 79.8368, 41.3315



74.4947, 79.8368, 37.4703



64.1940, 79.8368, 43.8158

Triad

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



74.4947, 79.8368, 37.4703



58.7683, 79.8368, 127.2971



97.6762, 79.8368, 118.5724

Complementary

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



74.4947, 79.8368, 37.4703



43.3799, 41.0634, 100.2471

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.



88.9101, 79.8368, 151.7828



74.4947, 79.8368, 37.4703



66.3817, 79.8368, 157.6555

Square

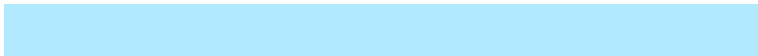
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



74.4947, 79.8368, 37.4703



55.7173, 79.8368, 90.9893



77.2874, 79.8368, 167.5934



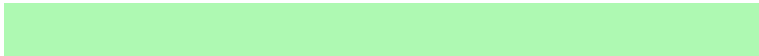
100.4062, 79.8368, 82.9907

Rectangle

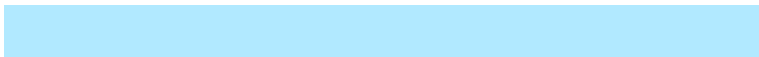
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.4947, 79.8368, 37.4703



59.3022, 79.8368, 54.2410



77.2874, 79.8368, 167.5934



95.2966, 79.8368, 130.6555

Sweetspot

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



74.4967, 79.8405, 37.4719



87.8500, 93.4164, 82.4029



58.2368, 43.7752, 42.9827



18.5626, 19.7671, 16.7746



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.



74.4967, 79.8405, 37.4719



71.5031, 76.3765, 28.6951



71.8111, 89.5321, 39.4841



19.1972, 20.3625, 19.0629



32.2285, 32.4682, 4.5684



3.2185, 3.3223, 0.4716

Inverse Universe

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



43.3799, 41.0634, 100.2471



36.6828, 33.0181, 99.0475



45.0773, 35.7349, 99.1292



17.3317, 18.0350, 22.8176



10.2838, 5.4771, 49.9498



1.0784, 0.6875, 4.8891

Previews

White Background



This preview shows how the XYZ color 74.4947, 79.8368, 37.4703 looks on a white background.

Color Contrast Check

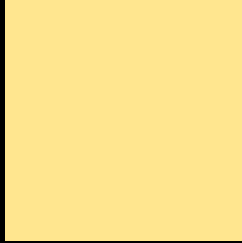
Large Text (above 18pt) WCAG AA × Fail

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 74.4947, 79.8368, 37.4703 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 74.4947, 79.8368, 37.4703

Background



This preview shows how black text looks on a background with the XYZ color 74.4947, 79.8368, 37.4703.



This preview shows how white text looks on a background with the XYZ color 74.4947, 79.8368,

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

74.4947, 79.8368, 37.4703

Protanopia

73.6787, 79.8304, 37.5121

Deuteranopia

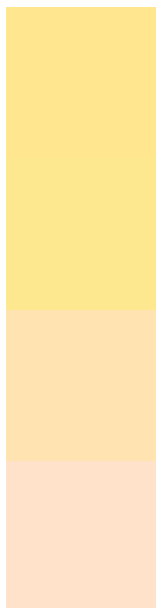
78.4002, 79.6382, 63.4641



Tritanopia

82.4790, 79.9759, 88.9317

Trichromacy



Original Color

74.4947, 79.8368, 37.4703

Protanomaly

74.0419, 80.0176, 37.5291

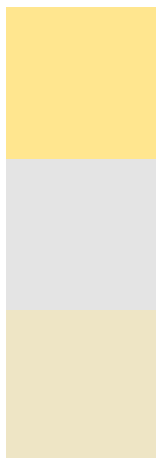
Deuteranomaly

76.6449, 79.3725, 52.8758

Tritanomaly

78.9790, 79.8698, 66.5121

Monochromacy



Original Color

74.4947, 79.8368, 37.4703

Achromatopsia

73.7419, 77.5822, 84.4870

Achromatomaly

73.3573, 78.2470, 64.0602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 74.4947, 79.8368, 37.4703 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, 230, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 143)  
}
```

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, 230, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 143) }
```

Border

The CSS property to change the border of an element to XYZ 74.4947, 79.8368, 37.4703 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, 230, 143) }
```


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

```
.border{ border-color:rgb(255, 230, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
143) }
```

Background

The CSS property to change the background color of an element to XYZ 74.4947, 79.8368, 37.4703 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 143) }
```

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

```
.background{ background-color: rgb(255,  
230, 143) }
```

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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