

Converting Colors

XYZ(82.4001, 100.0000,
38.0718)

Have a look what the booklet for
XYZ(82.4001, 100.0000, 38.0718)
contains.

XYZ(79.2709, 93.4373, 37.1497)	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(79.2709, 93.4373,
37.1497)**

Conversions

Conversions Part 1

Format	Color
Hex	F9FF88
RGB	249, 255, 136
RGB Percent	98%, 100%, 53%
CMY	0.0235, 0.0000, 0.4667
CMYK	0.02, 0.00, 0.47, 0.00
HSL	63°, 100%, 77%
HSV	63°, 47%, 100%
XYZ	79.2709, 93.4373, 37.1497
YIQ	239.6400, 34.6230, -38.2810

Conversions

Conversions Part 2

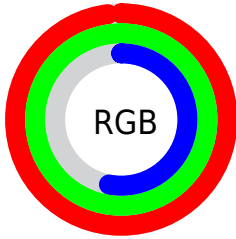
Format	Color
R _Y B	136, 255, 142
Decimal	16383880
CIE Lab	97.40, -18.17, 55.77
CIE LCh	97, 58.657, 108.042
Yxy	93.4373, 0.3777, 0.4452
Android (android.graphics.Color)	4294573960 (0xFFFF9FF88)
YUV	239.6400, -51.0945, 8.2087
Hunter-Lab	96.6630, -22.7768, 44.8776

Details

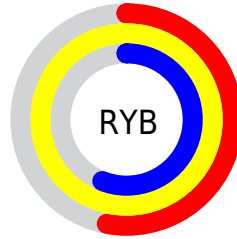
The XYZ color **79.2709, 93.4373, 37.1497** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.0105, 30.5803, 98.5070**, and the grayscale version is **82.9098, 87.2276, 94.9908**.

A 20% lighter version of the original color is **86.4040, 96.5416, 63.3706**, and **43.2029, 52.0737, 15.7568** is the 20% darker color. If you saturate the color by 10%, you get **77.2121, 92.5610, 28.6925**, and if you desaturate by 10%, it is **81.7643, 94.4878, 47.8799**.

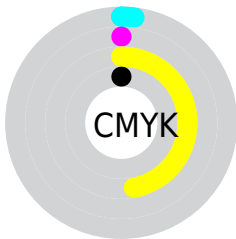
Distribution



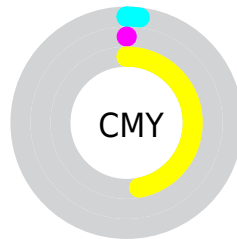
- Red (98%)
- Green (100%)
- Blue (53%)



- Red (53%)
- Yellow (100%)
- Blue (56%)



- Cyan (2%)
- Magenta (0%)
- Yellow (47%)
- Black (0%)





- Cyan (2%)
- Magenta (0%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 79.2709, 93.4373, 37.1497 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 79.2709, 93.4373, 37.1497 by changing the saturation by 10% instead.


 79.2709, 93.4373,
37.1497


 79.2709, 93.4373,
37.1497


481.2464,
539.1500, 349.1464


 59.4250, 70.8350,
25.0267


 131.2961,
152.1039, 71.9919

 43.2030, 52.2076,
15.8778


 164.2060,
188.9370, 95.5481

 30.2396, 37.1706,
9.2843

 202.2014,
231.2825, 123.7526

 20.1695, 25.3396,
4.8277

245.6475,
279.5248, 157.0237

 12.6273, 16.3302,
2.0896

294.9097,
334.0484, 195.7802

 7.2476, 9.7581,
0.6096

350.3533,

 3.6652, 5.2389,

395.2374, 240.4404

0.0000

412.3437,
463.4765, 291.4229

■ 1.5145, 2.3881,
0.0000

■ 0.3357, 0.8198,
0.0000

■ 79.2709, 93.4373,
37.1497

■ 79.2709, 93.4373,
37.1497

■ 77.2121, 92.5610,
28.6925

■ 81.7643, 94.4878,
47.8799

■ 75.5563, 91.8463,
22.3409

■ 84.7198, 95.7235,
61.0268

■ 74.2685, 91.2792,
17.9107

■ 88.1633, 97.1548,
76.7268

■ 73.3074, 90.8430,
15.1844

■ 92.1185, 98.7911,
95.1048

■ 72.6209, 90.5171, 95.0500, 100.0000,
13.8882 108.9000

■ 72.4269, 90.4225,
13.6360

Harmonies

Analogous

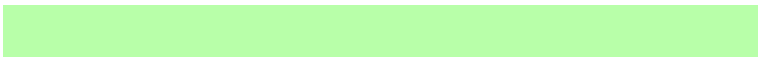
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.5995, 93.4373, 35.8794



79.2709, 93.4373, 37.1497



67.0931, 93.4373, 51.9780

Triad

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



79.2709, 93.4373, 37.1497



69.1033, 93.4373, 186.1454



123.9018, 93.4373, 121.9117

Complementary

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



79.2709, 93.4373, 37.1497



38.0105, 30.5803, 98.5070

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.



114.7686, 93.4373, 176.0532



79.2709, 93.4373, 37.1497



82.3486, 93.4373, 220.1730

Square

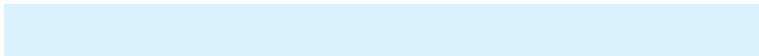
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.2709, 93.4373, 37.1497



61.7471, 93.4373, 132.8121



99.0838, 93.4373, 215.9913



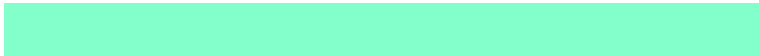
122.8084, 93.4373, 75.9323

Rectangle

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



79.2709, 93.4373, 37.1497



62.3354, 93.4373, 71.1971



99.0838, 93.4373, 215.9913



121.8834, 93.4373, 139.9586

Sweetspot

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



79.2711, 93.4374, 37.1510



89.1666, 97.5705, 81.3585



55.3502, 42.3697, 28.5547



18.9109, 20.8118, 16.6084



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

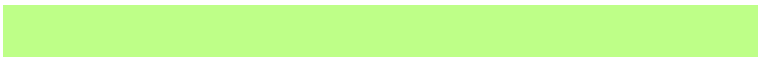
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.2711, 93.4374, 37.1510



77.3362, 92.6142, 29.1880



61.3276, 84.1872, 36.3112



19.4654, 21.0413, 19.1798



37.8840, 47.2680, 7.1269



3.7153, 4.6161, 0.6952

Inverse Universe

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



38.0105, 30.5803, 98.5070



31.5291, 22.8028, 97.3474



51.0636, 37.3094, 99.1178



17.0877, 17.4214, 22.7120



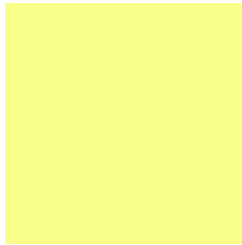
9.5522, 3.8348, 49.6713



0.9585, 0.3881, 4.8377

Previews

White Background



This preview shows how the XYZ color 79.2709, 93.4373, 37.1497 looks on a white background.

Color Contrast Check

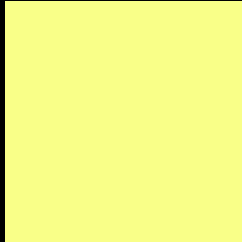
Large Text (above 18pt) WCAG AA × Fail

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 79.2709, 93.4373, 37.1497 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

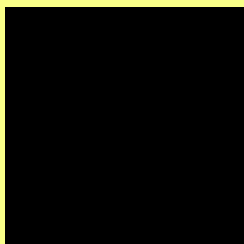
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.2709, 93.4373, 37.1497

Background



This preview shows how black text looks on a background with the XYZ color 79.2709, 93.4373, 37.1497.



This preview shows how white text looks on a background with the XYZ color 79.2709, 93.4373,

Color Blindness Simulation

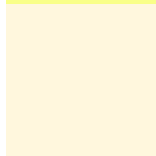
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



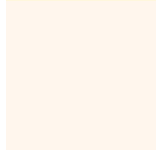
Original Color

79.2709, 93.4373, 37.1497



Protanopia

87.5519, 93.0020, 81.7433



Deuteranopia

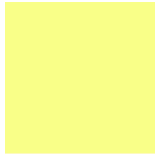
89.4818, 93.2860, 93.4106



Tritanopia

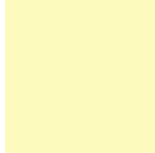
91.4801, 93.1171, 106.9178

Trichromacy



Original Color

79.2709, 93.4373, 37.1497



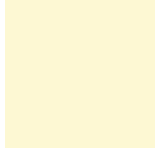
Protanomaly

83.9879, 92.9716, 62.2339



Deuteranomaly

84.8090, 92.8041, 68.0867



Tritanomaly

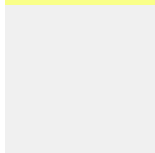
85.8333, 92.7206, 75.0010

Monochromacy



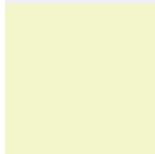
Original Color

79.2709, 93.4373, 37.1497



Achromatopsia

82.8234, 87.1367, 94.8919



Achromatomaly

80.2752, 88.6238, 68.7523

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.2709, 93.4373, 37.1497 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(249, 255, 136)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 136)  
}
```

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(249, 255, 136) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 136) }
```

Border

The CSS property to change the border of an element to XYZ 79.2709, 93.4373, 37.1497 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(249, 255, 136) }
```


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

```
.border{ border-color:rgb(249, 255, 136) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 136)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 136); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 136);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
136) }
```

Background

The CSS property to change the background color of an element to XYZ 79.2709, 93.4373, 37.1497 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 136) }
```

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

```
.background{ background-color: rgb(249,  
255, 136) }
```

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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