

Converting Colors

XYZ(79.6597, 90.7942, 37.2576)

Have a look what the booklet for
XYZ(79.6597, 90.7942, 37.2576)
contains.

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Color

**XYZ(79.7031, 90.8463,
37.3791)**

Conversions

Conversions Part 1

Format	Color
Hex	FFF98A
RGB	255, 249, 138
RGB Percent	100%, 98%, 54%
CMY	0.0000, 0.0235, 0.4588
CMYK	0.00, 0.02, 0.46, 0.00
HSL	57°, 100%, 77%
HSV	57°, 46%, 100%
XYZ	79.7031, 90.8463, 37.3791
YIQ	238.1400, 39.2070, -33.2490

Conversions

Conversions Part 2

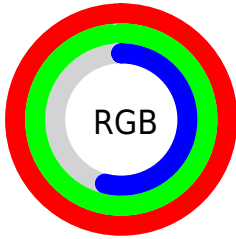
Format	Color
R_{YB}	144, 255, 138
Decimal	16775562
CIE _{Lab}	96.35, -12.75, 53.66
CIE _{LCh}	96, 55.155, 103.368
Yxy	90.8463, 0.3833, 0.4369
Android (android.graphics.Color)	4294965642 (0xFFFFF98A)
YUV	238.1400, -49.3690, 14.7862
Hunter-Lab	95.3133, -17.5327, 43.4675

Details

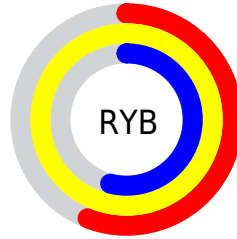
The XYZ color **79.7031, 90.8463, 37.3791** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.5044, 32.5689, 98.8645**, and the grayscale version is **81.7276, 85.9838, 93.6364**.

A 20% lighter version of the original color is **86.6256, 96.6303, 64.5379**, and **43.4746, 50.5316, 16.0565** is the 20% darker color. If you saturate the color by 10%, you get **77.6680, 89.3918, 28.6374**, and if you desaturate by 10%, it is **82.1788, 92.4882, 48.4079**.

Distribution



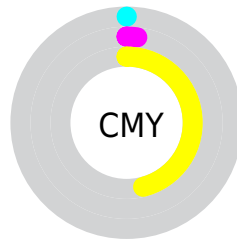
- Red (100%)
- Green (98%)
- Blue (54%)



- Red (56%)
- Yellow (100%)
- Blue (54%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)
- Black (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 79.7031, 90.8463, 37.3791 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 79.7031, 90.8463, 37.3791 by changing the saturation by 10% instead.

79.7031, 90.8463,
37.3791

79.7031, 90.8463,
37.3791

482.6835,
530.7800, 350.1669

59.7817, 68.6828,
25.2031

131.9009,
148.5134, 72.3483

43.4915, 50.4534,
16.0080

164.9081,
184.7857, 95.9785

30.4671, 35.7738,
9.3754

203.0079,
226.5298, 124.2639

20.3432, 24.2595,
4.8867

246.5656,
274.1300, 157.6230

12.7545, 15.5263,
2.1234

295.9467,
327.9707, 196.4743

7.3355, 9.1896,
0.6296

351.5165,

3.7210, 4.8650,

388.4364, 241.2363

0.0000

413.6403,
455.9113, 292.3277

■ 1.5455, 2.1683,
0.0000

■ 0.3565, 0.7026,
0.0000

■ 79.7031, 90.8463,
37.3791

■ 79.7031, 90.8463,
37.3791

■ 77.6680, 89.3918,
28.6374

■ 82.1788, 92.4882,
48.4079

■ 76.0361, 88.0997,
22.0150

■ 85.1164, 94.3160,
61.8646

■ 74.7748, 86.9604,
17.3303

■ 88.5436, 96.3441,
77.8853

■ 73.8434, 85.9574,
14.3688

■ 92.4838, 98.5820,
96.5943

■ 73.1913, 85.0707,
12.8644

95.0499, 99.9999,
108.9000

■ 72.9734, 84.7270,
12.5078

Harmonies

Analogous

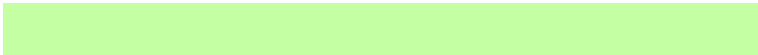
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.0696, 90.8463, 38.0339



79.7031, 90.8463, 37.3791



67.6299, 90.8463, 49.3279

Triad

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



79.7031, 90.8463, 37.3791



66.6254, 90.8463, 169.0243



117.8139, 90.8463, 125.1256

Complementary

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



79.7031, 90.8463, 37.3791



38.5044, 32.5689, 98.8645

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.



108.2327, 90.8463, 173.9345



79.7031, 90.8463, 37.3791



78.1744, 90.8463, 203.9770

Square

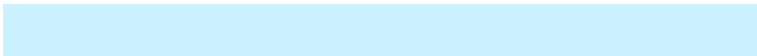
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



79.7031, 90.8463, 37.3791



60.7053, 90.8463, 119.7673



93.3496, 90.8463, 206.0014



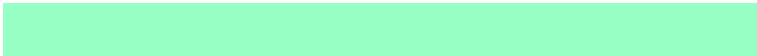
118.3497, 90.8463, 80.6375

Rectangle

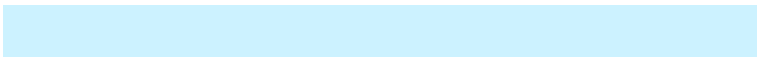
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



79.7031, 90.8463, 37.3791



62.5668, 90.8463, 65.6686



93.3496, 90.8463, 206.0014



115.4970, 90.8463, 141.8327

Sweetspot

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



79.7053, 90.8505, 37.3810



89.2451, 96.7491, 81.1958



55.5018, 41.5070, 32.2003



18.9303, 20.6091, 16.5682



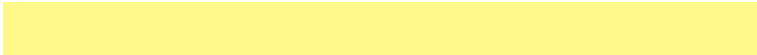
0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

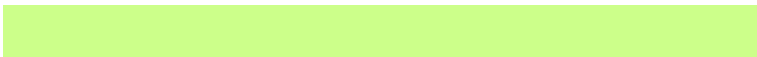
The Same Dimension uses a secret algorithm to generate beautiful new colors.



79.7053, 90.8505, 37.3810



77.8309, 89.5137, 29.3201



65.3321, 86.2348, 37.2476



19.4768, 20.9218, 19.1561



38.1650, 44.3412, 6.5472



3.7395, 4.3643, 0.6453

Inverse Universe

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



38.5044, 32.5689, 98.8645



32.0389, 24.7508, 97.6965



48.0512, 36.1786, 99.0581



17.0776, 17.5269, 22.7329



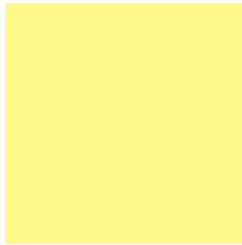
9.5378, 3.9853, 49.7011



0.9538, 0.4382, 4.8476

Previews

White Background



This preview shows how the XYZ color 79.7031, 90.8463, 37.3791 looks on a white background.

Color Contrast Check

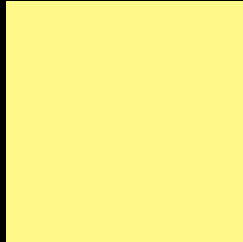
Large Text (above 18pt) WCAG AA × Fail

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 79.7031, 90.8463, 37.3791 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

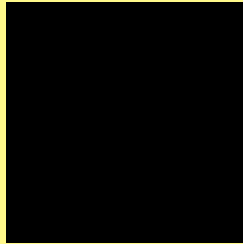
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 79.7031, 90.8463, 37.3791

Background



This preview shows how black text looks on a background with the XYZ color 79.7031, 90.8463, 37.3791.

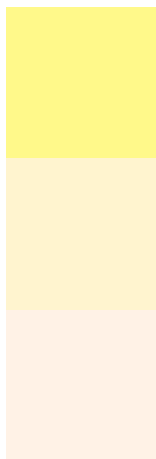


This preview shows how white text looks on a background with the XYZ color 79.7031, 90.8463,

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

79.7031, 90.8463, 37.3791

Protanopia

84.8532, 90.4664, 72.0210

Deuteranopia

87.2751, 90.4774, 87.7269



Tritanopia

89.7942, 91.0101, 102.4566

Trichromacy



Original Color

79.7031, 90.8463, 37.3791



Protanomaly

82.6393, 90.5489, 57.3781



Deuteranomaly

83.9705, 90.5960, 65.8844



Tritanomaly

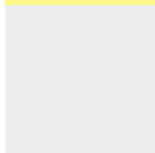
85.0993, 90.5648, 73.3171

Monochromacy



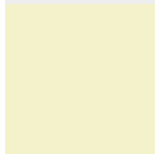
Original Color

79.7031, 90.8463, 37.3791



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

79.7210, 87.0016, 68.4684

CSS Examples

Text

The CSS property to change the color of the text to XYZ 79.7031, 90.8463, 37.3791 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, 249, 138)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 138)  
}
```

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, 249, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 138) }
```

Border

The CSS property to change the border of an element to XYZ 79.7031, 90.8463, 37.3791 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, 249, 138) }
```


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

```
.border{ border-color:rgb(255, 249, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 138);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
138) }
```

Background

The CSS property to change the background color of an element to XYZ 79.7031, 90.8463, 37.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 138) }
```

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

```
.background{ background-color: rgb(255,  
249, 138) }
```

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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