

Converting Colors

XYZ(72.7958, 77.7307, 44.1385)

Have a look what the booklet for
XYZ(72.7958, 77.7307, 44.1385)
contains.

XYZ(72.7940, 77.5811, 43.9389)	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(72.7940, 77.5811,
43.9389)**

Conversions

Conversions Part 1

Format	Color
Hex	F9E39F
RGB	249, 227, 159
RGB Percent	98%, 89%, 62%
CMY	0.0235, 0.1098, 0.3765
CMYK	0.00, 0.09, 0.36, 0.02
HSL	45°, 88%, 80%
HSV	45°, 36%, 98%
XYZ	72.7940, 77.5811, 43.9389
YIQ	225.8260, 34.9400, -16.4840

Conversions

Conversions Part 2

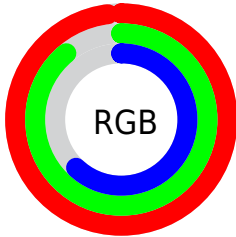
Format	Color
R_{YB}	188, 249, 159
Decimal	16376735
CIE Lab	90.59, -1.97, 35.98
CIE LCh	91, 36.032, 93.134
Yxy	77.5811, 0.3746, 0.3993
Android (android.graphics.Color)	4294566815 (0xFF9E39F)
YUV	225.8260, -32.9452, 20.3236
Hunter-Lab	88.0801, -6.6186, 32.0792

Details

The XYZ color **72.7940, 77.5811, 43.9389** is a light color, and the websafe version is hex **FFCC99**. A complement of this color would be **47.9204, 47.2568, 96.2183**, and the grayscale version is **72.3775, 76.1468, 82.9238**.

A 20% lighter version of the original color is **89.1376, 97.6350, 77.7657**, and **38.8922, 41.6430, 19.8980** is the 20% darker color. If you saturate the color by 10%, you get **69.2128, 73.5352, 33.1375**, and if you desaturate by 10%, it is **76.8732, 81.9259, 57.0553**.

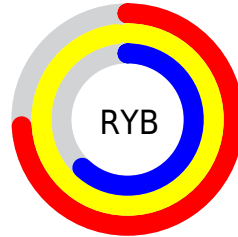
Distribution



Red (98%)

Green (89%)

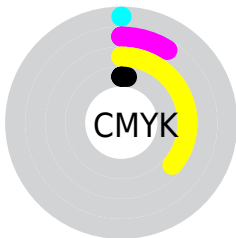
Blue (62%)



Red (74%)

Yellow (98%)

Blue (62%)

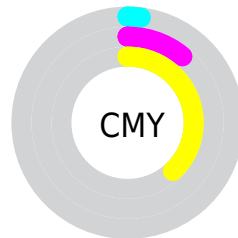


Cyan (0%)

Magenta (9%)

Yellow (36%)

Black (2%)



Cyan (2%)


Magenta (11%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 72.7940, 77.5811, 43.9389 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 72.7940, 77.5811, 43.9389 by changing the saturation by 10% instead.


 72.7940, 77.5811,
43.9389


 72.7940, 77.5811,
43.9389


459.4154,
486.7430, 378.4929

 54.0953, 57.7299,
30.2856


 122.1894,
129.9594, 82.4273

 38.9088, 41.5916,
19.8016


 153.6169,
163.2554, 108.0995

 26.8692, 28.7816,
12.0683


190.0180,
201.8017, 138.6151

 17.6111, 18.9157,
6.6671

231.7581,
245.9829, 174.3926

 10.7691, 11.6094,
3.1795

279.2025,
296.1832, 215.8506

 5.9780, 6.4783,
1.1870

332.7166,

 2.8722, 3.1380,

352.7870, 263.4077

0.0000

392.6658,
416.1788, 317.4823

■ 1.0866, 1.2042,
0.0000

■ 0.0138, 0.0651,
0.0000

■ 72.7940, 77.5811,
43.9389

■ 72.7940, 77.5811,
43.9389

■ 69.2128, 73.5352,
33.1375

■ 76.8732, 81.9259,
57.0553

■ 66.0969, 69.7657,
24.5076

■ 81.4693, 86.5698,
72.6091

■ 63.4185, 66.2635,
17.8973

■ 86.6070, 91.5263,
90.7195

■ 61.1440, 63.0140,
13.1329

■ 91.7225, 96.5708,
108.4135

■ 59.2342, 60.0007,
10.0109

■ 92.8769, 98.8797,
108.7983

■ 57.6406, 57.2029,
8.2790

■ 57.0821, 56.1701,
7.8334

Harmonies

Analogous

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



81.8599, 77.5811, 47.4489



72.7940, 77.5811, 43.9389



64.6561, 77.5811, 49.3225

Triad

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



72.7940, 77.5811, 43.9389



60.1436, 77.5811, 114.6464



90.3233, 77.5811, 108.9746

Complementary

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



72.7940, 77.5811, 43.9389



47.9204, 47.2568, 96.2183

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.



83.6340, 77.5811, 133.2855



72.7940, 77.5811, 43.9389



66.1729, 77.5811, 137.0015

Square

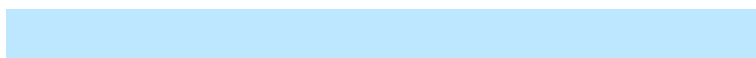
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.7940, 77.5811, 43.9389



57.7363, 77.5811, 87.2185



74.6912, 77.5811, 144.4322



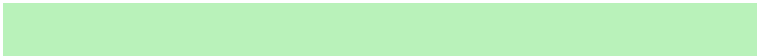
92.4539, 77.5811, 81.7850

Rectangle

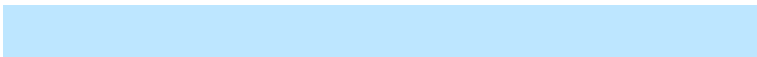
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.7940, 77.5811, 43.9389



60.7110, 77.5811, 58.0322



74.6912, 77.5811, 144.4322



88.5078, 77.5811, 117.9260

Sweetspot

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



72.7959, 77.5847, 43.9405



88.7103, 94.0274, 86.1104



59.8575, 48.2936, 50.1532



18.8310, 19.9742, 17.8802



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

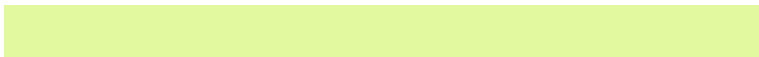
The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.7959, 77.5847, 43.9405



74.1774, 78.9141, 38.2522



71.6551, 86.5044, 45.7223



18.3470, 19.4299, 18.2457



30.6723, 30.3012, 4.2321



2.9234, 2.9716, 0.4195

Inverse Universe

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



47.9204, 47.2568, 96.2183



44.5692, 42.8323, 100.5262



48.6713, 41.5211, 95.0716



16.6275, 17.3318, 21.8543



10.1342, 5.6241, 48.5250



1.0179, 0.6795, 4.5207

Previews

White Background



This preview shows how the XYZ color 72.7940, 77.5811, 43.9389 looks on a white background.

Color Contrast Check

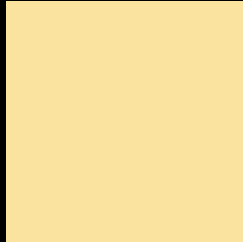
Large Text (above 18pt) WCAG AA × Fail

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 72.7940, 77.5811, 43.9389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

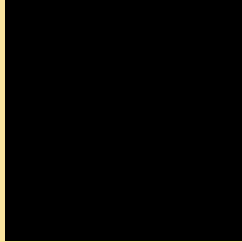
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 72.7940, 77.5811, 43.9389

Background



This preview shows how black text looks on a background with the XYZ color 72.7940, 77.5811, 43.9389.

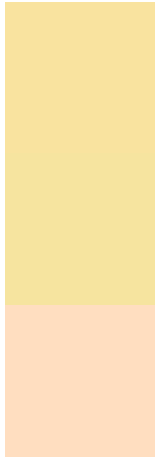


This preview shows how white text looks on a background with the XYZ color 72.7940, 77.5811,

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

72.7940, 77.5811, 43.9389

Protanopia

72.0074, 77.5828, 43.9807

Deuteranopia

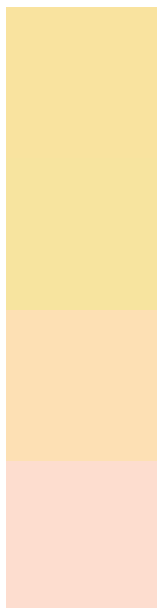
76.8757, 77.3083, 60.7394



Tritanopia

81.1627, 77.3433, 88.4929

Trichromacy



Original Color

72.7940, 77.5811, 43.9389

Protanomaly

72.3592, 77.7642, 43.9971

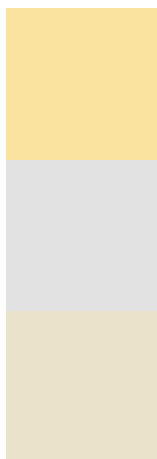
Deuteranomaly

75.4019, 77.4892, 54.1628

Tritanomaly

77.6269, 77.1005, 69.8220

Monochromacy



Original Color

72.7940, 77.5811, 43.9389

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.7887, 76.1494, 66.7917

CSS Examples

Text

The CSS property to change the color of the text to XYZ 72.7940, 77.5811, 43.9389 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, 227, 159)` looks like.

```
.text, #text, p{  
    color:rgb(249, 227, 159)  
}
```

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, 227, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 227, 159) }
```

Border

The CSS property to change the border of an element to XYZ 72.7940, 77.5811, 43.9389 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, 227, 159) }
```


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

```
.border{ border-color:rgb(249, 227, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 227, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 227, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 227, 159);  
box-shadow:4px 4px 4px 4px rgb(249, 227,  
159) }
```

Background

The CSS property to change the background color of an element to XYZ 72.7940, 77.5811, 43.9389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 227, 159) }
```

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

```
.background{ background-color: rgb(249,  
227, 159) }
```

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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