

Converting Colors

XYZ(168.2012, 129.1390,
43.6738)

Have a look what the booklet for
XYZ(168.2012, 129.1390, 43.6738)
contains.

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Color

**XYZ(75.3631, 81.0798,
39.2817)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE893
RGB	255, 232, 147
RGB Percent	100%, 91%, 58%
CMY	0.0000, 0.0902, 0.4235
CMYK	0.00, 0.09, 0.42, 0.00
HSL	47°, 100%, 79%
HSV	47°, 42%, 100%
XYZ	75.3631, 81.0798, 39.2817
YIQ	229.1870, 40.9930, -21.5590

Conversions

Conversions Part 2

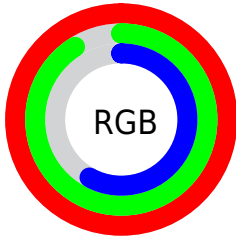
Format	Color
R _Y B	176, 255, 147
Decimal	16771219
CIE Lab	92.17, -3.46, 44.12
CIE LCh	92, 44.253, 94.479
Yxy	81.0798, 0.3850, 0.4143
Android (android.graphics.Color)	4294961299 (0xFFFFE893)
YUV	229.1870, -40.5182, 22.6380
Hunter-Lab	90.0443, -8.1810, 37.1659

Details

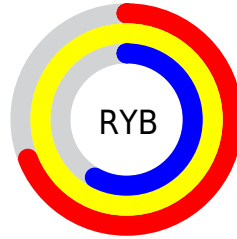
The XYZ color **75.3631, 81.0798, 39.2817** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **44.4571, 42.1712, 100.4044**, and the grayscale version is **74.8835, 78.7832, 85.7949**.

A 20% lighter version of the original color is **87.6607, 97.0443, 69.9883**, and **40.8137, 44.1408, 17.1954** is the 20% darker color. If you saturate the color by 10%, you get **72.0757, 77.3601, 29.3844**, and if you desaturate by 10%, it is **79.1452, 85.0789, 51.5338**.

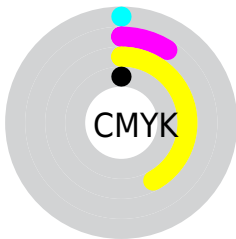
Distribution



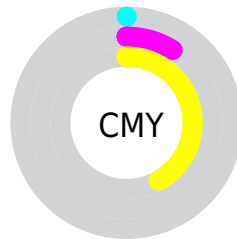
- Red (100%)
- Green (91%)
- Blue (58%)



- Red (69%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (9%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (9%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.3631, 81.0798, 39.2817 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 75.3631, 81.0798, 39.2817 by changing the saturation by 10% instead.


 75.3631, 81.0798,
39.2817


 75.3631, 81.0798,
39.2817


468.1426,
498.5644, 358.5483

 56.2056, 60.6073,
26.6694


 125.8114,
134.8828, 75.2935

 40.6055, 43.9083,
17.0949


 157.8329,
168.9821, 99.5302

 28.1972, 30.5985,
10.1395


194.8731,
208.3925, 128.4787

 18.6156, 20.2933,
5.3847

237.2974,
253.4984, 162.5576

 11.4952, 12.6084,
2.4121

285.4712,
304.6841, 202.1855

 6.4707, 7.1595,
0.7930

339.7597,

 3.1767, 3.5620,

362.3341, 247.7809

0.0000

400.5284,
426.8327, 299.7623

■ 1.2479, 1.4317,
0.0000

■ 0.1437, 0.2399,
0.0000

■ 75.3631, 81.0798,
39.2817

■ 75.3631, 81.0798,
39.2817

■ 72.0757, 77.3601,
29.3844

■ 79.1452, 85.0789,
51.5338

■ 69.2470, 73.8958,
21.6806

■ 83.4435, 89.3576,
66.2775

■ 66.8454, 70.6765,
15.9967

■ 88.2850, 93.9305,
83.6451

■ 64.8319, 67.6860,
12.1306

■ 93.6932, 98.8077,
103.7583

■ 63.1599, 64.9049, 95.0500, 100.0000,
9.8378 108.9000

■ 62.0588, 62.8976,
8.8696

Harmonies

Analogous

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



86.9102, 81.0798, 42.8466



75.3631, 81.0798, 39.2817



65.2972, 81.0798, 45.9493

Triad

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



75.3631, 81.0798, 39.2817



60.3533, 81.0798, 128.8515



98.6110, 81.0798, 118.2214

Complementary

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



75.3631, 81.0798, 39.2817



44.4571, 42.1712, 100.4044

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.



90.1656, 81.0798, 150.8819



75.3631, 81.0798, 39.2817



67.9909, 81.0798, 158.0061

Square

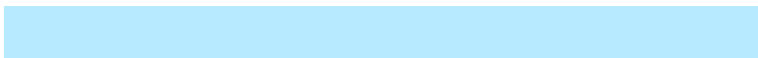
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.3631, 81.0798, 39.2817



57.1920, 81.0798, 93.2809



78.7901, 81.0798, 166.9255



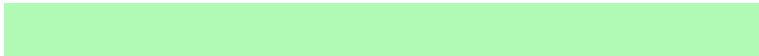
101.0760, 81.0798, 83.4652

Rectangle

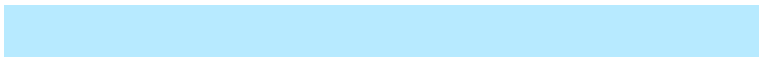
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.3631, 81.0798, 39.2817



60.5482, 81.0798, 56.5713



78.7901, 81.0798, 166.9255



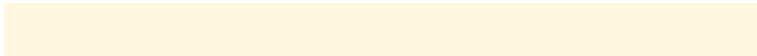
96.3391, 81.0798, 130.0609

Sweetspot

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



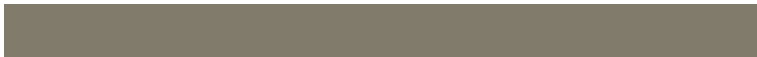
75.3651, 81.0836, 39.2834



87.9543, 93.6251, 82.4376



58.9679, 45.0458, 43.8167



18.5886, 19.8190, 16.7832



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

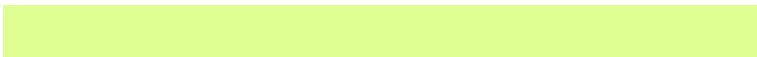
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.3651, 81.0836, 39.2834



72.4928, 77.8481, 30.5907



71.8915, 89.5380, 41.0983



19.2137, 20.3955, 19.0684



32.5401, 33.0915, 4.6723



3.2463, 3.3780, 0.4809

Inverse Universe

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



44.4571, 42.1712, 100.4044



37.8323, 34.2405, 99.2228



46.7530, 37.5062, 99.3830



17.3164, 18.0044, 22.8125



10.2148, 5.3391, 49.9268



1.0697, 0.6700, 4.8862

Previews

White Background



This preview shows how the XYZ color 75.3631, 81.0798, 39.2817 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 75.3631, 81.0798, 39.2817 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 75.3631, 81.0798, 39.2817

Background



This preview shows how black text looks on a background with the XYZ color 75.3631, 81.0798, 39.2817.

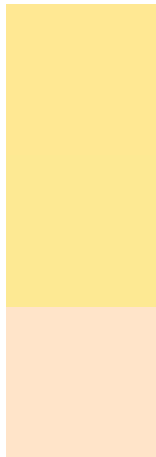


This preview shows how white text looks on a background with the XYZ color 75.3631, 81.0798,

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

75.3631, 81.0798, 39.2817

Protanopia

74.9134, 81.2671, 39.3415

Deuteranopia

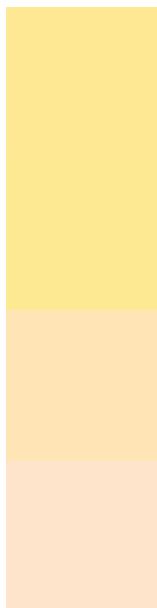
79.5260, 80.9639, 66.6945



Tritanopia

83.3055, 81.1666, 90.6329

Trichromacy



Original Color

75.3631, 81.0798, 39.2817

Protanomaly

75.2784, 81.4552, 39.3586

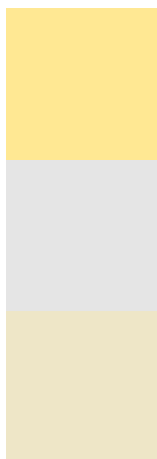
Deuteranomaly

77.5998, 80.6348, 55.1902

Tritanomaly

79.8825, 81.1064, 68.5716

Monochromacy



Original Color

75.3631, 81.0798, 39.2817

Achromatopsia

74.4753, 78.3538, 85.3273

Achromatomaly

73.8655, 78.8943, 65.3678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.3631, 81.0798, 39.2817 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, 232, 147)` looks like.

```
.text, #text, p{  
    color:rgb(255, 232, 147)  
}
```

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, 232, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 232, 147) }
```

Border

The CSS property to change the border of an element to XYZ 75.3631, 81.0798, 39.2817 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, 232, 147) }
```


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

```
.border{ border-color:rgb(255, 232, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 232, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 232, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 232, 147);  
box-shadow:4px 4px 4px 4px rgb(255, 232,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 75.3631, 81.0798, 39.2817 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 232, 147) }
```

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

```
.background{ background-color: rgb(255,  
232, 147) }
```

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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