

Converting Colors

XYZ(90.7816, 89.6912, 31.3370)

Have a look what the booklet for
XYZ(90.7816, 89.6912, 31.3370)
contains.

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Color

**XYZ(73.9541, 80.9679,
30.4695)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE97B
RGB	255, 233, 123
RGB Percent	100%, 91%, 48%
CMY	0.0000, 0.0862, 0.5176
CMYK	0.00, 0.09, 0.52, 0.00
HSL	50°, 100%, 74%
HSV	50°, 52%, 100%
XYZ	73.9541, 80.9679, 30.4695
YIQ	227.0380, 48.4220, -29.5460

Conversions

Conversions Part 2

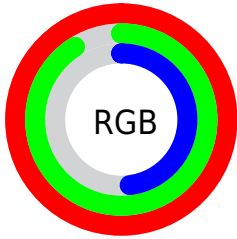
Format	Color
RYB	149, 255, 123
Decimal	16771451
CIELab	92.12, -6.14, 55.59
CIELCh	92, 55.930, 96.306
Yxy	80.9679, 0.3989, 0.4367
Android (android.graphics.Color)	4294961531 (0xFFFFE97B)
YUV	227.0380, -51.2907, 24.5227
Hunter-Lab	89.9822, -10.7641, 42.9109

Details

The XYZ color **73.9541, 80.9679, 30.4695** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.3436, 31.6808, 98.8070**, and the grayscale version is **73.3799, 77.2013, 84.0723**.

A 20% lighter version of the original color is **85.0359, 95.9944, 56.1664**, and **39.7908, 44.0187, 12.1936** is the 20% darker color. If you saturate the color by 10%, you get **71.3735, 78.0372, 22.7336**, and if you desaturate by 10%, it is **76.9833, 84.1304, 40.4076**.

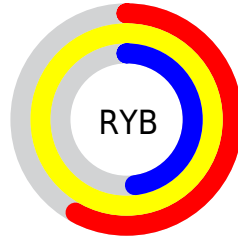
Distribution



Red (100%)

Green (91%)

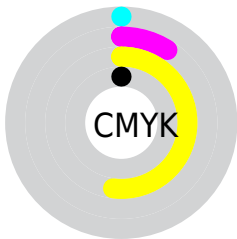
Blue (48%)



Red (58%)

Yellow (100%)

Blue (48%)

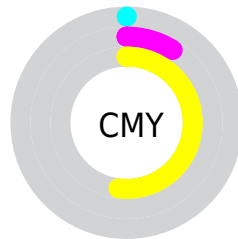


Cyan (0%)

Magenta (9%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (9%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.9541, 80.9679, 30.4695 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 73.9541, 80.9679, 30.4695 by changing the saturation by 10% instead.


 73.9541, 80.9679,
30.4695


 73.9541, 80.9679,
30.4695


463.3677,
498.1888, 318.3620


 55.0476, 60.5152,
19.9402


 123.8266,
134.7257, 61.4736

 39.6738, 43.8340,
12.1679


 155.5233,
168.7995, 82.7855

 27.4674, 30.5400,
6.7342


 192.2142,
208.1825, 108.5286

 18.0630, 20.2488,
3.2205

234.2645,
253.2591, 139.1215

 11.0952, 12.5761,
1.2083

282.0396,
304.4136, 174.9828

 6.1986, 7.1373,
0.0000

335.9050,

 3.0081, 3.5481,

362.0305, 216.5309

0.0000

396.2259,
426.4940, 264.1845

■ 1.1580, 1.4241,
0.0000

■ 0.0728, 0.2344,
0.0000

■ 73.9541, 80.9679,
30.4695

■ 73.9541, 80.9679,
30.4695

■ 71.3735, 78.0372,
22.7336

■ 76.9833, 84.1304,
40.4076

■ 69.2024, 75.3133,
17.0210

■ 80.4849, 87.5256,
52.6981

■ 67.4046, 72.7844,
13.1333

■ 84.4879, 91.1682,
67.4839

■ 65.9341, 70.4318,
10.8292

■ 89.0170, 95.0686,
84.8948

■ 64.9116, 68.6034,
9.8206

■ 94.0956, 99.2364,
105.0518

■ 95.0499, 99.9999,
108.9000

Harmonies

Analogous

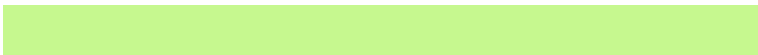
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6380, 80.9679, 33.6309



73.9541, 80.9679, 30.4695



61.6897, 80.9679, 38.4269

Triad

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



73.9541, 80.9679, 30.4695



56.7182, 80.9679, 143.9876



105.2210, 80.9679, 124.0489

Complementary

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



73.9541, 80.9679, 30.4695



36.3436, 31.6808, 98.8070

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.



94.5571, 80.9679, 168.8188



73.9541, 80.9679, 30.4695



66.3512, 80.9679, 182.6193

Square

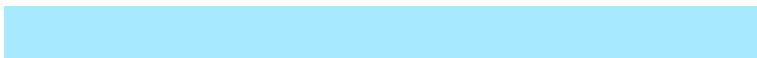
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



73.9541, 80.9679, 30.4695



52.5714, 80.9679, 97.1668



80.0413, 80.9679, 192.8962



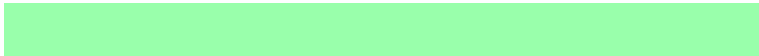
107.9144, 80.9679, 79.7283

Rectangle

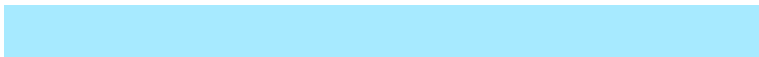
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.9541, 80.9679, 30.4695



56.1292, 80.9679, 51.0584



80.0413, 80.9679, 192.8962



102.3900, 80.9679, 139.9174

Sweetspot

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



73.9560, 80.9717, 30.4712



87.0327, 93.3843, 77.1902



53.4343, 37.4711, 31.2055



18.4297, 19.8166, 15.7581



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.



73.9560, 80.9717, 30.4712



71.3177, 77.9706, 22.5758



66.1995, 86.7989, 32.0047



19.2885, 20.5451, 19.0933



34.0131, 36.0375, 5.1632



3.3771, 3.6395, 0.5245

Inverse Universe

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



36.3436, 31.6808, 98.8070



30.0822, 23.9820, 97.6512



41.0701, 29.6024, 98.1567



17.2475, 17.8666, 22.7895



9.9444, 4.7984, 49.8366



1.0337, 0.5981, 4.8742

Previews

White Background



This preview shows how the XYZ color 73.9541, 80.9679, 30.4695 looks on a white background.

Color Contrast Check

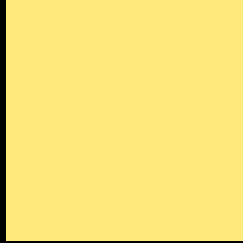
Large Text (above 18pt) WCAG AA × Fail

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 73.9541, 80.9679, 30.4695 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 73.9541, 80.9679, 30.4695

Background



This preview shows how black text looks on a background with the XYZ color 73.9541, 80.9679, 30.4695.

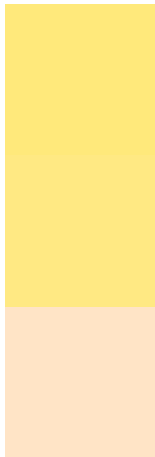


This preview shows how white text looks on a background with the XYZ color 73.9541, 80.9679,

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

73.9541, 80.9679, 30.4695

Protanopia

74.4756, 81.1765, 33.2161

Deuteranopia

79.1764, 80.8240, 64.8536



Tritanopia

83.0360, 80.6274, 90.5431

Trichromacy

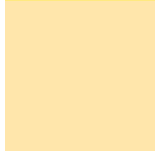


Original Color

73.9541, 80.9679, 30.4695

Protanomaly

74.2752, 81.0963, 32.1605



Deuteranomaly

76.8875, 80.7939, 50.0705



Tritanomaly

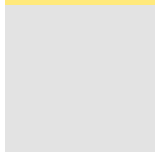
78.5594, 80.1383, 62.9575

Monochromacy



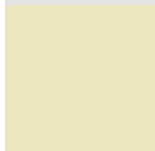
Original Color

73.9541, 80.9679, 30.4695



Achromatopsia

73.0128, 76.8151, 83.6517



Achromatomaly

72.1297, 77.7173, 59.3434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.9541, 80.9679, 30.4695 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, 233, 123)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 123)  
}
```

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, 233, 123) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 123) }
```

Border

The CSS property to change the border of an element to XYZ 73.9541, 80.9679, 30.4695 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, 233, 123) }
```


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

```
.border{ border-color:rgb(255, 233, 123) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 233, 123)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 123); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 123);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
123) }
```

Background

The CSS property to change the background color of an element to XYZ 73.9541, 80.9679, 30.4695 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 123) }
```

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

```
.background{ background-color: rgb(255,  
233, 123) }
```

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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