

Converting Colors

XYZ(113.3659, 100.0000,
33.3925)

Have a look what the booklet for
XYZ(113.3659, 100.0000, 33.3925)
contains.

XYZ(73.3676, 79.3859, 31.5348)	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(73.3676, 79.3859,
31.5348)**

Conversions

Conversions Part 1

Format	Color
Hex	FFE67F
RGB	255, 230, 127
RGB Percent	100%, 90%, 50%
CMY	0.0000, 0.0980, 0.5019
CMYK	0.00, 0.10, 0.50, 0.00
HSL	48°, 100%, 75%
HSV	48°, 50%, 100%
XYZ	73.3676, 79.3859, 31.5348
YIQ	225.7330, 47.9630, -26.7330

Conversions

Conversions Part 2

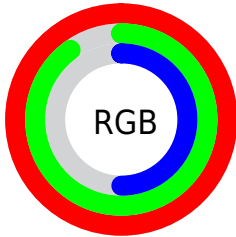
Format	Color
R_{YB}	158, 255, 127
Decimal	16770687
CIE _{Lab}	91.41, -4.31, 52.86
CIE _{LCh}	91, 53.038, 94.658
Yxy	79.3859, 0.3981, 0.4308
Android (android.graphics.Color)	4294960767 (0xFFFFE67F)
YUV	225.7330, -48.6754, 25.6672
Hunter-Lab	89.0988, -8.9386, 41.3846

Details

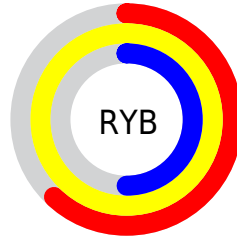
The XYZ color **73.3676, 79.3859, 31.5348** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.0304, 34.1875, 99.2020**, and the grayscale version is **72.4138, 76.1849, 82.9654**.

A 20% lighter version of the original color is **85.4435, 96.1574, 58.3128**, and **39.3310, 42.8901, 12.6842** is the 20% darker color. If you saturate the color by 10%, you get **70.5462, 76.0746, 23.4072**, and if you desaturate by 10%, it is **76.6530, 82.9520, 41.8935**.

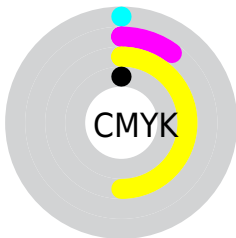
Distribution



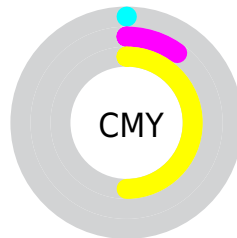
- Red (100%)
- Green (90%)
- Blue (50%)



- Red (62%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (0%)





- Cyan (0%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 73.3676, 79.3859, 31.5348 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 73.3676, 79.3859, 31.5348 by changing the saturation by 10% instead.


 73.3676, 79.3859,
31.5348

 73.3676, 79.3859,
31.5348


461.3720,
492.8609, 323.4218


 54.5660, 59.2131,
20.7446


 122.9992,
132.5020, 63.1705

 39.2869, 42.7847,
12.7480


 154.5601,
166.2141, 84.8530

 27.1647, 29.7162,
7.1266


 191.1046,
205.2082, 111.0034

 17.8342, 19.6233,
3.4617

232.9984,
249.8685, 142.0402

 10.9300, 12.1215,
1.3350

280.6066,
300.5796, 178.3818

 6.0867, 6.8265,
0.0902

334.2947,

 2.9390, 3.3538,

357.7257, 220.4470

0.0000

394.4281,
421.6913, 268.6541

■ 1.1216, 1.3191,
0.0000

■ 0.0431, 0.1559,
0.0000

■ 73.3676, 79.3859,
31.5348

■ 73.3676, 79.3859,
31.5348

■ 70.5462, 76.0746,
23.4072

■ 76.6530, 82.9520,
41.8935

■ 68.1503, 72.9934,
17.3353

■ 80.4259, 86.7740,
54.6312

■ 66.1445, 70.1306,
13.1252

■ 84.7150, 90.8669,
69.8887

■ 64.4841, 67.4676,
10.5437

■ 89.5450, 95.2409,
87.7946

■ 63.1209, 65.0219,
9.2237

94.9389, 99.9059,
108.4686

95.0499, 100.0000,
108.9000

Harmonies

Analogous

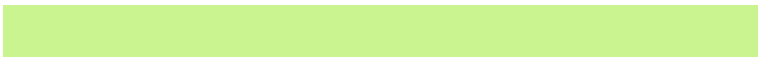
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.1066, 79.3859, 35.1915



73.3676, 79.3859, 31.5348



61.6468, 79.3859, 38.6094

Triad

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



73.3676, 79.3859, 31.5348



56.0700, 79.3859, 135.9241



101.4009, 79.3859, 122.2821

Complementary

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



73.3676, 79.3859, 31.5348



38.0304, 34.1875, 99.2020

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.



91.1825, 79.3859, 163.0496



73.3676, 79.3859, 31.5348



64.8897, 79.3859, 172.4313

Square

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



73.3676, 79.3859, 31.5348



52.4463, 79.3859, 92.6101



77.5794, 79.3859, 183.6011



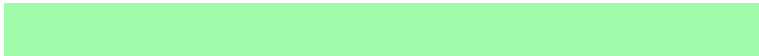
104.3640, 79.3859, 80.5459

Rectangle

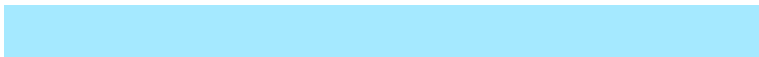
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.3676, 79.3859, 31.5348



56.2159, 79.3859, 50.2013



77.5794, 79.3859, 183.6011



98.6454, 79.3859, 136.9090

Sweetspot

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



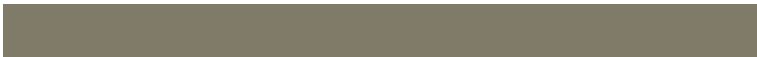
73.3695, 79.3896, 31.5364



87.1553, 93.1036, 78.8525



54.5466, 38.7262, 34.5650



18.4391, 19.7318, 16.0804



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

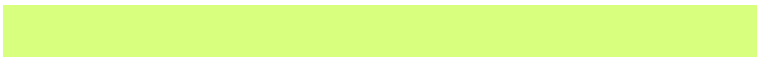
The Same Dimension uses a secret algorithm to generate beautiful new colors.



73.3695, 79.3896, 31.5364



70.5972, 76.1371, 23.5454



68.0876, 87.7428, 33.4271



19.2421, 20.4524, 19.0779



33.0888, 34.1889, 4.8551



3.2952, 3.4757, 0.4972

Inverse Universe

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



38.0304, 34.1875, 99.2020



31.7639, 26.5135, 98.0512



41.2405, 30.4420, 98.3098



17.2901, 17.9518, 22.8037



10.1038, 5.1173, 49.8898



1.0553, 0.6413, 4.8814

Previews

White Background



This preview shows how the XYZ color 73.3676, 79.3859, 31.5348 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 73.3676, 79.3859, 31.5348 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 73.3676, 79.3859, 31.5348

Background



This preview shows how black text looks on a background with the XYZ color 73.3676, 79.3859, 31.5348.

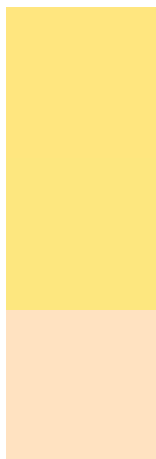


This preview shows how white text looks on a background with the XYZ color 73.3676, 79.3859,

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

73.3676, 79.3859, 31.5348

Protanopia

72.9147, 79.5668, 31.5936

Deuteranopia

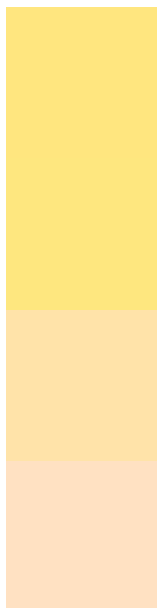
78.0620, 79.5030, 61.6834



Tritanopia

82.0693, 79.3857, 88.0883

Trichromacy



Original Color

73.3676, 79.3859, 31.5348

Protanomaly

73.2797, 79.7550, 31.6107

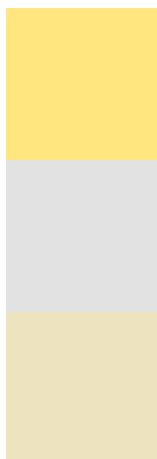
Deuteranomaly

75.8705, 79.0627, 48.7979

Tritanomaly

77.9028, 79.0055, 62.1826

Monochromacy



Original Color

73.3676, 79.3859, 31.5348

Achromatopsia

72.2879, 76.0525, 82.8211

Achromatomaly

71.6884, 76.6604, 59.7338

CSS Examples

Text

The CSS property to change the color of the text to XYZ 73.3676, 79.3859, 31.5348 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, 230, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 230, 127)  
}
```

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, 230, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 230, 127) }
```

Border

The CSS property to change the border of an element to XYZ 73.3676, 79.3859, 31.5348 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, 230, 127) }
```


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

```
.border{ border-color:rgb(255, 230, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 230, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 230, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 230, 127);  
box-shadow:4px 4px 4px 4px rgb(255, 230,  
127) }
```

Background

The CSS property to change the background color of an element to XYZ 73.3676, 79.3859, 31.5348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 230, 127) }
```

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

```
.background{ background-color: rgb(255,  
230, 127) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor