

Converting Colors

XYZ(42.9505, 73.4687, 37.2618)

Have a look what the booklet for
XYZ(42.9505, 73.4687, 37.2618)
contains.

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Color

**XYZ(42.7600, 73.1636,
37.0676)**

Conversions

Conversions Part 1

Format	Color
Hex	4EFC8D
RGB	78, 252, 141
RGB Percent	31%, 99%, 55%
CMY	0.6941, 0.0117, 0.4470
CMYK	0.69, 0.00, 0.44, 0.01
HSL	142°, 97%, 65%
HSV	142°, 69%, 99%
XYZ	42.7600, 73.1636, 37.0676
YIQ	187.3200, -68.0730, -71.4090

Conversions

Conversions Part 2

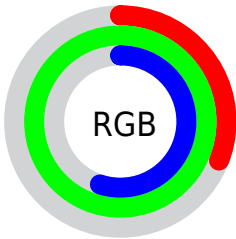
Format	Color
RYB	78, 206, 252
Decimal	5176461
CIELab	88.53, -67.42, 40.57
CIELCh	89, 78.684, 148.965
Yxy	73.1636, 0.2795, 0.4782
Android (android.graphics.Color)	4283366541 (0xFF4EFC8D)
YUV	187.3200, -22.8358, -95.8736
Hunter-Lab	85.5357, -60.4539, 34.1812

Details

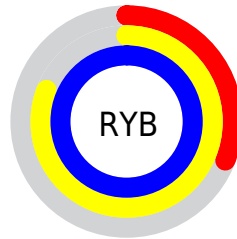
The XYZ color **42.7600, 73.1636, 37.0676** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **52.0568, 29.8197, 51.1585**, and the grayscale version is **47.5690, 50.0463, 54.5004**.

A 20% lighter version of the original color is **57.5779, 81.6165, 64.9434**, and **21.0950, 39.3048, 15.9260** is the 20% darker color. If you saturate the color by 10%, you get **39.9666, 71.8539, 31.1403**, and if you desaturate by 10%, it is **46.5212, 74.9562, 43.9498**.

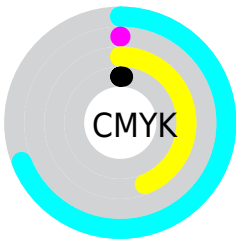
Distribution



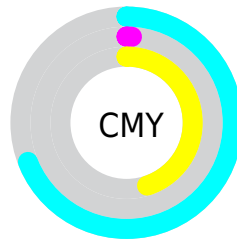
- Red (31%)
- Green (99%)
- Blue (55%)



- Red (31%)
- Yellow (81%)
- Blue (99%)



- Cyan (69%)
- Magenta (0%)
- Yellow (44%)
- Black (1%)





- Cyan (69%)
- Magenta (1%)
- Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 42.7600, 73.1636, 37.0676 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 42.7600, 73.1636, 37.0676 by changing the saturation by 10% instead.


 42.7600, 73.1636,
37.0676


 42.7600, 73.1636,
37.0676


348.5621,
471.5816, 348.7806


 29.8906, 54.1097,
24.9636


 78.6065, 123.7094,
71.8642


 19.9032, 38.6894,
15.8312


 102.3143,
155.9702, 95.3940

 12.4325, 26.5182,
9.2517

 130.3656,
193.4021, 123.5694

 7.1133, 17.2117,
4.8067

 163.1258,
236.3894, 156.8090

 3.5800, 10.3855,
2.0775

200.9602,
285.3167, 195.5315

 1.4674, 5.6553,
0.6024

244.2341,

 0.3035, 2.6367,

340.5682, 240.1551

0.0000

293.3130,
402.5284, 291.0987

0.0000, 0.9451,
0.0000

0.0000, 0.0000,
0.0000

42.7600, 73.1636,
37.0676

42.7600, 73.1636,
37.0676

39.9666, 71.8539,
31.1403

46.5212, 74.9562,
43.9498

38.0321, 70.9658,
26.1192


51.3326, 77.2673,
51.8226


36.8077, 70.4254,
21.9571

57.2734, 80.1390,
60.7258


36.7106, 70.3831,
21.6029

64.4137, 83.6067,
70.6953

 72.8173, 87.7026,
81.7655

 82.5438, 92.4568,
93.9691

 93.6487, 97.8971,
107.3373

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



53.3460, 73.1636, 18.8032



42.7600, 73.1636, 37.0676



39.1025, 73.1636, 77.7925

Triad

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



42.7600, 73.1636, 37.0676



68.8837, 73.1636, 236.1588



106.5352, 73.1636, 39.0629

Complementary

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



42.7600, 73.1636, 37.0676



52.0568, 29.8197, 51.1585

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.



112.6988, 73.1636, 81.5627



42.7600, 73.1636, 37.0676



88.7180, 73.1636, 210.2685

Square

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



42.7600, 73.1636, 37.0676



52.3964, 73.1636, 206.6887



105.6628, 73.1636, 146.4766



90.0658, 73.1636, 19.5324

Rectangle

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



42.7600, 73.1636, 37.0676



40.4612, 73.1636, 118.6124



105.6628, 73.1636, 146.4766



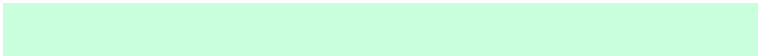
110.0001, 73.1636, 50.3363

Sweetspot

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



42.7618, 73.1666, 37.0693



72.9982, 89.2118, 81.6662



57.6990, 81.2635, 19.8526



15.1012, 18.8398, 16.7962



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.



42.7618, 73.1666, 37.0693



40.1600, 73.3968, 29.8138



51.6682, 76.7291, 83.9696



17.2771, 19.4131, 19.6597



19.1864, 36.6876, 11.5907



1.8258, 3.4174, 1.3305

Inverse Universe

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



52.0568, 29.8197, 51.1585



50.1896, 26.2425, 44.7337



45.3750, 27.1470, 15.9725



17.7107, 17.4117, 20.3325



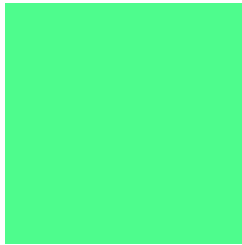
24.3251, 12.1457, 18.9521



2.3037, 1.1452, 2.0227

Previews

White Background



This preview shows how the XYZ color 42.7600, 73.1636, 37.0676 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 42.7600, 73.1636, 37.0676 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

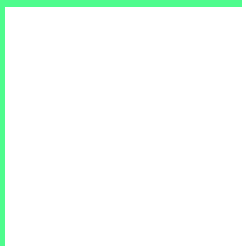
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 42.7600, 73.1636, 37.0676

Background



This preview shows how black text looks on a background with the XYZ color 42.7600, 73.1636, 37.0676.

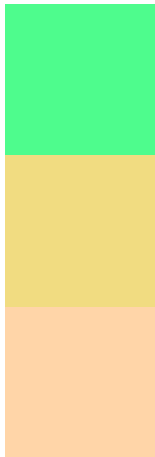


This preview shows how white text looks on a background with the XYZ color 42.7600, 73.1636,

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

42.7600, 73.1636, 37.0676

Protanopia

65.8313, 71.4722, 31.0947

Deuteranopia

72.1021, 71.6757, 47.0804



Tritanopia

57.5401, 72.5342, 105.5756

Trichromacy



Original Color

42.7600, 73.1636, 37.0676



Protanomaly

52.3817, 69.3518, 32.8157



Deuteranomaly

55.1265, 68.4832, 42.6608



Tritanomaly

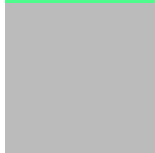
50.4453, 71.7388, 74.8066

Monochromacy



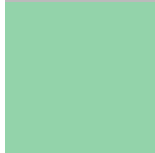
Original Color

42.7600, 73.1636, 37.0676



Achromatopsia

47.2335, 49.6933, 54.1160



Achromatomaly

42.5826, 55.6939, 46.5359

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.7600, 73.1636, 37.0676 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(78, 252, 141)` looks like.

```
.text, #text, p{  
    color:rgb(78, 252, 141)  
}
```

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(78, 252, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(78, 252, 141) }
```

Border

The CSS property to change the border of an element to XYZ 42.7600, 73.1636, 37.0676 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(78, 252, 141) }
```


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

```
.border{ border-color:rgb(78, 252, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(78, 252, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(78, 252, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(78, 252, 141);  
box-shadow:4px 4px 4px 4px rgb(78, 252,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 42.7600, 73.1636, 37.0676 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(78, 252, 141) }
```

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

```
.background{ background-color: rgb(78, 252,  
141) }
```

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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