

Converting Colors

XYZ(37.8007, 66.1335, 36.0251)

Have a look what the booklet for
XYZ(37.8007, 66.1335, 36.0251)
contains.

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Color

**XYZ(37.7321, 66.0317,
35.9560)**

Conversions

Conversions Part 1

Format	Color
Hex	2FF28D
RGB	47, 242, 141
RGB Percent	18%, 95%, 55%
CMY	0.8157, 0.0510, 0.4470
CMYK	0.81, 0.00, 0.42, 0.05
HSL	149°, 88%, 57%
HSV	149°, 81%, 95%
XYZ	37.7321, 66.0317, 35.9560
YIQ	172.1810, -83.7990, -72.7510

Conversions

Conversions Part 2

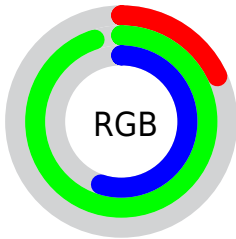
Format	Color
RYB	47, 179, 242
Decimal	3142285
CIELab	85.01, -67.92, 35.92
CIELCh	85, 76.837, 152.129
Yxy	66.0317, 0.2701, 0.4726
Android (android.graphics.Color)	4281332365 (0xFF2FF28D)
YUV	172.1810, -15.3722, -109.7837
Hunter-Lab	81.2599, -59.3204, 30.6472

Details

The XYZ color **37.7321, 66.0317, 35.9560** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **42.9818, 23.0496, 30.2029**, and the grayscale version is **39.4118, 41.4643, 45.1546**.

A 20% lighter version of the original color is **54.1813, 79.8655, 64.7845**, and **18.9437, 35.0022, 15.2089** is the 20% darker color. If you saturate the color by 10%, you get **36.0294, 65.2575, 31.2810**, and if you desaturate by 10%, it is **40.1612, 67.1718, 41.2190**.

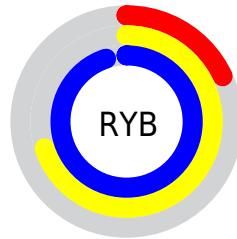
Distribution



Red (18%)

Green (95%)

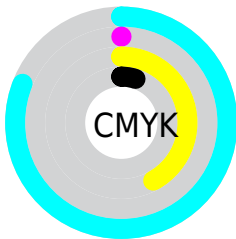
Blue (55%)



Red (18%)

Yellow (70%)

Blue (95%)

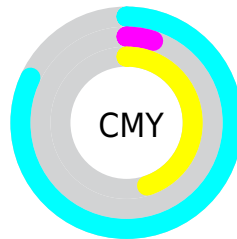


Cyan (81%)

Magenta (0%)

Yellow (42%)

Black (5%)



Cyan (82%)


Magenta (5%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7321, 66.0317, 35.9560 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 37.7321, 66.0317, 35.9560 by changing the saturation by 10% instead.


 37.7321, 66.0317,
35.9560


 37.7321, 66.0317,
35.9560


327.7701,
446.4902, 343.7998

 25.9511, 48.2981,
24.1108


 71.0039, 113.5318,
70.1324


 16.9195, 34.0630,
15.2029


 93.2254, 144.0672,
93.3007

 10.2721, 22.9420,
8.8137


 119.6577,
179.6386, 121.0805

 5.6434, 14.5507,
4.5247

 150.6663,
220.6305, 153.8902

 2.6681, 8.5047,
1.9174

186.6165,
267.4271, 192.1485

 0.9808, 4.4195,
0.5038

227.8736,

 0.0000, 1.9109,

320.4131, 236.2738

0.0000

274.8030,
379.9727, 286.6847

■ 0.0000, 0.5549,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7321, 66.0317,
35.9560

■ 37.7321, 66.0317,
35.9560

■ 36.0294, 65.2575,
31.2810


■ 40.1612, 67.1718,
41.2190


■ 34.9441, 64.7831,
27.3867

■ 43.4044, 68.7172,
47.0873


■ 47.5415, 70.7105,
53.5825


■ 52.6406, 73.1864,
60.7240

 58.7634, 76.1764,
68.5299

 65.9659, 79.7090,
77.0176

 74.3001, 83.8107,
86.2040

 83.8143, 88.5062,
96.1050

 90.8532, 91.9107,
106.5631

Harmonies

Analogous

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



46.6965, 66.0317, 17.6696



37.7321, 66.0317, 35.9560



35.0682, 66.0317, 75.4912

Triad

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



37.7321, 66.0317, 35.9560



64.0038, 66.0317, 215.0792



95.3144, 66.0317, 32.2340

Complementary

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



37.7321, 66.0317, 35.9560



42.9818, 23.0496, 30.2029

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.



102.1654, 66.0317, 68.4193



37.7321, 66.0317, 35.9560



82.1429, 66.0317, 186.3425

Square

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



37.7321, 66.0317, 35.9560



48.4743, 66.0317, 193.0936



96.9549, 66.0317, 126.1884



79.6109, 66.0317, 16.3184

Rectangle

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



37.7321, 66.0317, 35.9560



36.7390, 66.0317, 114.0316



96.9549, 66.0317, 126.1884



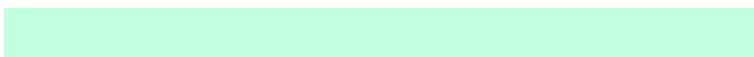
98.8467, 66.0317, 41.6780

Sweetspot

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



37.7338, 66.0344, 35.9575



71.3168, 88.3069, 83.3112



45.0298, 70.2917, 13.8841



14.6472, 18.5985, 17.1027



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.



37.7338, 66.0344, 35.9575



39.6789, 73.0986, 32.0571



47.9942, 70.1385, 89.9883



15.8833, 17.7833, 18.4084



18.8399, 34.8280, 15.0717



1.6173, 2.9174, 1.5174

Inverse Universe

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



42.9818, 23.0496, 30.2029



45.7504, 23.1970, 25.2717



38.2903, 21.1730, 5.4979



16.1147, 15.8956, 18.1601



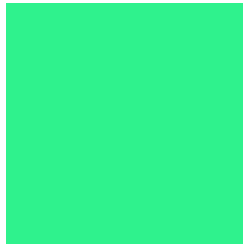
21.7414, 10.9690, 11.8208



1.8590, 0.9326, 1.2482

Previews

White Background



This preview shows how the XYZ color 37.7321, 66.0317, 35.9560 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 37.7321, 66.0317, 35.9560 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

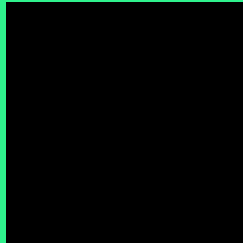
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.7321, 66.0317, 35.9560

Background



This preview shows how black text looks on a background with the XYZ color 37.7321, 66.0317, 35.9560.



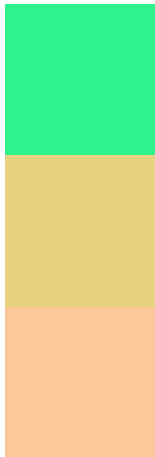
This preview shows how white text looks on a background with the XYZ color 37.7321, 66.0317, 35.9560.

35.9560.

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

37.7321, 66.0317, 35.9560

Protanopia

59.6422, 64.5012, 30.0754

Deuteranopia

65.8969, 64.3316, 38.2223



Tritanopia

49.9996, 65.4126, 98.7976

Trichromacy



Original Color

37.7321, 66.0317, 35.9560



Protanomaly

45.4592, 61.7225, 31.7080



Deuteranomaly

47.7268, 60.4484, 36.7560



Tritanomaly

44.1559, 65.1114, 70.5621

Monochromacy



Original Color

37.7321, 66.0317, 35.9560



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

35.1517, 47.0177, 40.9409

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7321, 66.0317, 35.9560 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(47, 242, 141)` looks like.

```
.text, #text, p{  
    color:rgb(47, 242, 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(47, 242, 141) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 242, 141) }
```

Border

The CSS property to change the border of an element to XYZ 37.7321, 66.0317, 35.9560 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(47, 242, 141) }
```


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

```
.border{ border-color:rgb(47, 242, 141) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 242, 141)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 242, 141); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 242, 141);  
box-shadow:4px 4px 4px 4px rgb(47, 242,  
141) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7321, 66.0317, 35.9560 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 242, 141) }
```

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

```
.background{ background-color: rgb(47, 242,  
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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