

# Converting Colors

XYZ(38.5264, 70.9886, 27.9829)

Have a look what the booklet for  
XYZ(38.5264, 70.9886, 27.9829)  
contains.

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# Color

**XYZ(38.6325, 71.2337,  
27.9330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	24FC73
RGB	36, 252, 115
RGB Percent	14%, 99%, 45%
CMY	0.8588, 0.0117, 0.5490
CMYK	0.86, 0.00, 0.54, 0.01
HSL	142°, 97%, 56%
HSV	142°, 86%, 99%
XYZ	38.6325, 71.2337, 27.9330
YIQ	171.7980, -84.7590, -88.3990

# Conversions

## Conversions Part 2

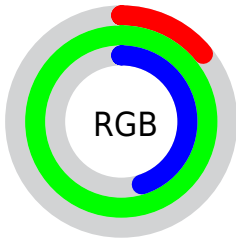
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	36, 194, 252
Decimal	2423923
CIE <sub>Lab</sub>	87.60, -76.17, 51.54
CIE <sub>LCh</sub>	88, 91.967, 145.918
Yxy	71.2337, 0.2804, 0.5169
Android (android.graphics.Color)	4280614003 (0xFF24FC73)
YUV	171.7980, -28.0014, -119.0948
Hunter-Lab	84.4001, -65.9952, 39.4575

# Details

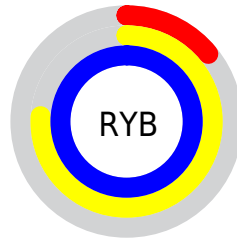
The XYZ color **38.6325, 71.2337, 27.9330** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed spring green. A complement of this color would be **48.3209, 24.9757, 41.8121**, and the grayscale version is **39.2803, 41.3259, 45.0039**.

A 20% lighter version of the original color is **51.1841, 78.6332, 50.5103**, and **20.1613, 38.9314, 11.0093** is the 20% darker color. If you saturate the color by 10%, you get **37.2003, 70.5946, 23.4749**, and if you desaturate by 10%, it is **40.8448, 72.2605, 33.2633**.

# Distribution



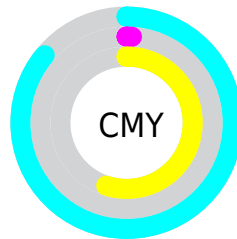
- Red (14%)
- Green (99%)
- Blue (45%)



- Red (14%)
- Yellow (76%)
- Blue (99%)



- Cyan (86%)
- Magenta (0%)
- Yellow (54%)
- Black (1%)




- Cyan (86%)
- Magenta (1%)
- Yellow (55%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6325, 71.2337, 27.9330 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 38.6325, 71.2337, 27.9330 by changing the saturation by 10% instead.





 38.6325, 71.2337,  
27.9330


 38.6325, 71.2337,  
27.9330


331.5596,  
464.8700, 306.0485


 26.6534, 52.5329,  
18.0366


 72.3742, 120.9664,  
57.3993


 17.4483, 37.4300,  
10.8065


 94.8676, 152.7672,  
77.8062

 10.6519, 25.5406,  
5.8244


 121.5964,  
189.7034, 102.5537

 5.8989, 16.4803,  
2.6715

 152.9260,  
232.1594, 132.0602

 2.8237, 9.8647,  
0.9290

189.2218,  
280.5197, 166.7445

 1.0613, 5.3093,  
0.0000

230.8491,

 0.0000, 2.4299,

335.1686, 207.0249

0.0000

278.1732,  
396.4906, 253.3201

■ 0.0000, 0.8412,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 38.6325, 71.2337,  
27.9330

■ 38.6325, 71.2337,  
27.9330

■ 37.2003, 70.5946,  
23.4749


■ 40.8448, 72.2605,  
33.2633

■ 36.7509, 70.3992,  
21.8150


■ 43.9512, 73.7270,  
39.5062


■ 48.0507, 75.6853,  
46.7054


■ 53.2272, 78.1778,  
54.8998

 59.5552, 81.2423,  
64.1263

 67.1023, 84.9130,  
74.4196

 75.9310, 89.2213,  
85.8129

 86.0990, 94.1965,  
98.3379

 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.



51.0179, 71.2337, 12.0044



38.6325, 71.2337, 27.9330



33.9642, 71.2337, 69.3417

# Triad

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



38.6325, 71.2337, 27.9330



64.7710, 71.2337, 268.9405



112.7302, 71.2337, 36.0974

# Complementary

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



38.6325, 71.2337, 27.9330



48.3209, 24.9757, 41.8121

# 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.



118.5903, 71.2337, 86.4063



38.6325, 71.2337, 27.9330



87.6849, 71.2337, 242.9194

# Square

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



38.6325, 71.2337, 27.9330



46.8649, 71.2337, 225.1165



108.5984, 71.2337, 165.9312



93.9570, 71.2337, 14.6345



# Rectangle

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



38.6325, 71.2337, 27.9330



34.9187, 71.2337, 115.2770



108.5984, 71.2337, 165.9312



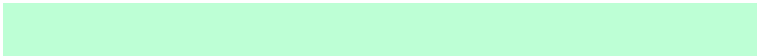
116.4271, 71.2337, 49.1254

# Sweetspot

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



38.6342, 71.2366, 27.9346



68.6756, 87.1020, 76.1091



53.1264, 79.0283, 14.1234



14.0959, 18.3496, 15.4815



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.



38.6342, 71.2366, 27.9346



37.7474, 72.3150, 22.3857



48.4054, 75.1451, 79.3891



17.2798, 19.4142, 19.6739



19.2078, 36.6961, 11.7033



1.8280, 3.4183, 1.3420



# Inverse Universe

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



48.3209, 24.9757, 41.8121



47.7383, 23.8593, 36.1494



41.8333, 22.3807, 7.6489



17.7079, 17.4105, 20.3178



24.2830, 12.1289, 18.7307

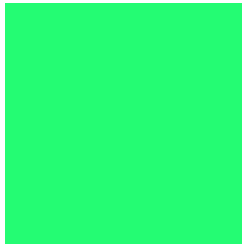


2.3000, 1.1437, 2.0031



# Previews

## White Background



This preview shows how the XYZ color 38.6325, 71.2337, 27.9330 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 38.6325, 71.2337, 27.9330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

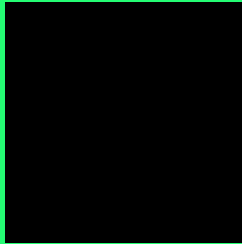
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.6325, 71.2337, 27.9330**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.6325, 71.2337, 27.9330.



This preview shows how white text looks on a background with the XYZ color 38.6325, 71.2337,



# Color Blindness Simulation

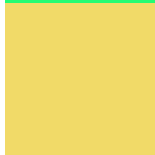
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

38.6325, 71.2337, 27.9330



### Protanopia

63.8457, 69.8431, 23.2127



### Deuteranopia

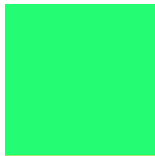
69.9541, 69.6202, 39.4568



## Tritanopia

54.3521, 70.4621, 105.3436

# Trichromacy



## Original Color

38.6325, 71.2337, 27.9330



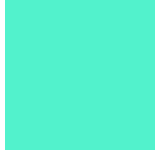
## Protanomaly

46.7295, 65.7833, 24.4219



## Deuteranomaly

49.2646, 64.8285, 34.3427



## Tritanomaly

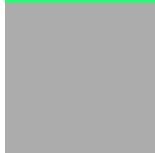
46.1309, 69.6577, 68.1407

# Monochromacy



## Original Color

38.6325, 71.2337, 27.9330



## Achromatopsia

39.2122, 41.2543, 44.9259



## Achromatomaly

34.6409, 48.2186, 36.7595

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.6325, 71.2337, 27.9330 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(36, 252, 115)` looks like.

```
.text, #text, p{  
    color:rgb(36, 252, 115)  
}
```

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(36, 252, 115) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 252, 115) }
```

## Border

The CSS property to change the border of an element to XYZ 38.6325, 71.2337, 27.9330 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(36, 252, 115) }
```



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

```
.border{ border-color:rgb(36, 252, 115) }
```

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

Here you see how a box with a 4 pixel rgb(36, 252, 115) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 252, 115); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 252, 115);  
box-shadow:4px 4px 4px 4px rgb(36, 252,  
115) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.6325, 71.2337, 27.9330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 252, 115) }
```

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

```
.background{ background-color: rgb(36, 252,  
115) }
```

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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