

Converting Colors

XYZ(37.9901, 71.5816, 22.8508)

Have a look what the booklet for
XYZ(37.9901, 71.5816, 22.8508)
contains.

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Color

**XYZ(37.9297, 71.4524,
22.8589)**

Conversions

Conversions Part 1

Format	Color
Hex	23FD60
RGB	35, 253, 96
RGB Percent	14%, 99%, 38%
CMY	0.8627, 0.0078, 0.6235
CMYK	0.86, 0.00, 0.62, 0.01
HSL	137°, 98%, 56%
HSV	137°, 86%, 99%
XYZ	37.9297, 71.4524, 22.8589
YIQ	169.9200, -79.5310, -95.0430

Conversions

Conversions Part 2

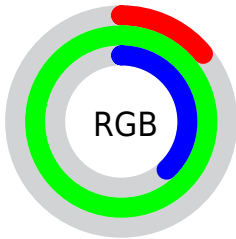
Format	Color
RYB	35, 205, 253
Decimal	2358624
CIELab	87.70, -78.89, 59.93
CIElCh	88, 99.071, 142.774
Yxy	71.4524, 0.2868, 0.5403
Android (android.graphics.Color)	4280548704 (0xFF23FD60)
YUV	169.9200, -36.4426, -118.3248
Hunter-Lab	84.5295, -67.8310, 43.1372

Details

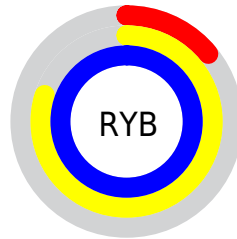
The XYZ color **37.9297, 71.4524, 22.8589** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **50.6254, 25.8915, 52.1996**, and the grayscale version is **38.3745, 40.3730, 43.9662**.

A 20% lighter version of the original color is **49.6581, 78.0395, 41.7240**, and **19.8650, 39.1702, 8.3473** is the 20% darker color. If you saturate the color by 10%, you get **36.6155, 70.8629, 18.9153**, and if you desaturate by 10%, it is **40.0586, 72.4435, 27.8586**.

Distribution



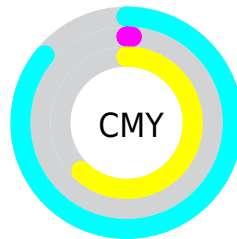
- Red (14%)
- Green (99%)
- Blue (38%)



- Red (14%)
- Yellow (80%)
- Blue (99%)



- Cyan (86%)
- Magenta (0%)
- Yellow (62%)
- Black (1%)





- Cyan (86%)
- Magenta (1%)
- Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9297, 71.4524, 22.8589 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 37.9297, 71.4524, 22.8589 by changing the saturation by 10% instead.


 37.9297, 71.4524,
22.8589


 37.9297, 71.4524,
22.8589


328.6044,
465.6334, 280.0978

 26.1051, 52.7115,
14.2850


 71.3050, 121.2777,
49.0818


 17.0354, 37.5725,
8.1782


 93.5863, 153.1308,
67.5679

 10.3552, 25.6511,
4.1198


 120.0840,
190.1234, 90.1952

 5.6991, 16.5628,
1.6913

 151.1634,
232.6400, 117.3821

 2.7019, 9.9233,
0.3547

187.1897,
281.0649, 149.5473

 0.9982, 5.3481,
0.0000

228.5284,

 0.0000, 2.4529,

335.7825, 187.1093

0.0000

275.5449,
397.1772, 230.4867

■ 0.0000, 0.8529,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9297, 71.4524,
22.8589

■ 37.9297, 71.4524,
22.8589

■ 36.6155, 70.8629,
18.9153


■ 40.0586, 72.4435,
27.8586

■ 36.2575, 70.7057,
17.6637


■ 43.1234, 73.8912,
33.9798


■ 47.2290, 75.8502,
41.2878

■ 52.4640, 78.3650,
49.8416

 58.9077, 81.4754,
59.6961

 66.6317, 85.2172,
70.9028

 75.7019, 89.6235,
83.5105

 86.1799, 94.7248,
97.5654

94.4167, 98.7334,
108.6889

Harmonies

Analogous

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



51.8901, 71.4524, 9.1034



37.9297, 71.4524, 22.8589



32.2440, 71.4524, 62.6410

Triad

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



37.9297, 71.4524, 22.8589



62.3907, 71.4524, 289.5400



118.6367, 71.4524, 37.7080

Complementary

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



37.9297, 71.4524, 22.8589



50.6254, 25.8915, 52.1996

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.



123.2823, 71.4524, 95.2251



37.9297, 71.4524, 22.8589



86.9360, 71.4524, 268.3328

Square

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



37.9297, 71.4524, 22.8589



44.0951, 71.4524, 232.8880



110.5879, 71.4524, 185.1881



99.0570, 71.4524, 13.5754

Rectangle

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



37.9297, 71.4524, 22.8589



32.7082, 71.4524, 110.0410



110.5879, 71.4524, 185.1881



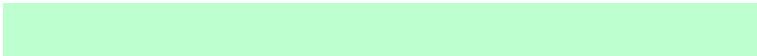
122.1562, 71.4524, 52.5647

Sweetspot

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



37.9314, 71.4553, 22.8605



67.9653, 86.8178, 72.3688



57.9023, 81.9596, 14.3583



13.9301, 18.2832, 14.6080



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.



37.9314, 71.4553, 22.8605



36.9088, 71.9795, 17.9694



46.4968, 74.8815, 67.9653



17.9804, 20.2517, 20.2000



19.3399, 37.6326, 9.6753



1.9272, 3.6818, 1.1745

Inverse Universe

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



50.6254, 25.8915, 52.1996



49.8545, 24.7058, 47.2934



42.7852, 22.7554, 10.9137



18.5631, 18.2086, 21.5825



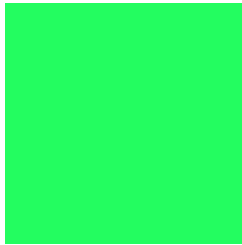
26.1170, 12.9361, 25.0641



2.5895, 1.2782, 2.6858

Previews

White Background



This preview shows how the XYZ color 37.9297, 71.4524, 22.8589 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 37.9297, 71.4524, 22.8589 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 37.9297, 71.4524, 22.8589

Background



This preview shows how black text looks on a background with the XYZ color 37.9297, 71.4524, 22.8589.

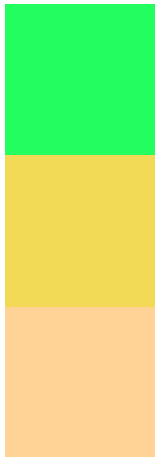


This preview shows how white text looks on a background with the XYZ color 37.9297, 71.4524,

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

37.9297, 71.4524, 22.8589

Protanopia

63.7133, 69.8694, 18.9322

Deuteranopia

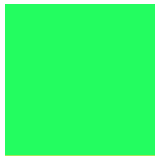
69.7114, 69.5231, 38.1789



Tritanopia

54.7275, 70.6556, 105.3612

Trichromacy



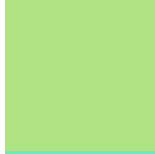
Original Color

37.9297, 71.4524, 22.8589



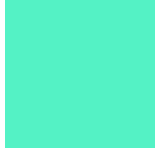
Protanomaly

46.3577, 66.1055, 19.9892



Deuteranomaly

48.9048, 65.1184, 31.1106



Tritanomaly

45.4863, 69.4203, 63.8254

Monochromacy



Original Color

37.9297, 71.4524, 22.8589



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

33.4974, 47.3567, 33.3619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9297, 71.4524, 22.8589 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(35, 253, 96)` looks like.

```
.text, #text, p{  
    color:rgb(35, 253, 96)  
}
```

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(35, 253, 96) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(35, 253, 96) }
```

Border

The CSS property to change the border of an element to XYZ 37.9297, 71.4524, 22.8589 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(35, 253, 96) }
```


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

```
.border{ border-color:rgb(35, 253, 96) }
```

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

Here you see how a box with a 4 pixel rgb(35, 253, 96) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(35, 253, 96); -webkit-box-  
shadow:4px 4px 4px 4px rgb(35, 253, 96);  
box-shadow:4px 4px 4px 4px rgb(35, 253,  
96) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9297, 71.4524, 22.8589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(35, 253, 96) }
```

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

```
.background{ background-color: rgb(35, 253,  
96) }
```

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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