

# Converting Colors

XYZ(37.1426, 72.1664, 14.9804)

Have a look what the booklet for  
XYZ(37.1426, 72.1664, 14.9804)  
contains.

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# Color

**XYZ(37.1351, 72.1624,  
14.9891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	26FF32
RGB	38, 255, 50
RGB Percent	15%, 100%, 20%
CMY	0.8510, 0.0000, 0.8039
CMYK	0.85, 0.00, 0.80, 0.00
HSL	123°, 100%, 57%
HSV	123°, 85%, 100%
XYZ	37.1351, 72.1624, 14.9891
YIQ	166.7470, -63.5270, -109.7590

# Conversions

## Conversions Part 2

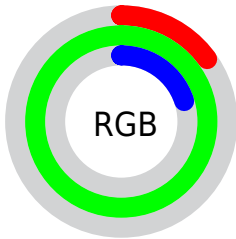
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	38, 244, 255
Decimal	2555698
CIE <sub>Lab</sub>	88.05, -82.95, 76.12
CIE <sub>LCh</sub>	88, 112.585, 137.458
Yxy	72.1624, 0.2988, 0.5806
Android (android.graphics.Color)	4280745778 (0xFF26FF32)
YUV	166.7470, -57.5563, -112.9111
Hunter-Lab	84.9485, -70.6288, 49.0022

# Details

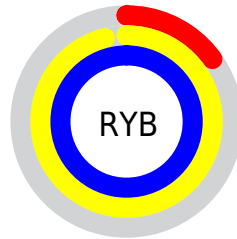
The XYZ color **37.1351, 72.1624, 14.9891** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.1096, 29.1169, 87.3451**, and the grayscale version is **36.9016, 38.8233, 42.2786**.

A 20% lighter version of the original color is **47.6427, 77.3014, 28.0324**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1043, 71.6761, 12.9046**, and if you desaturate by 10%, it is **39.0815, 73.0891, 18.5438**.

# Distribution



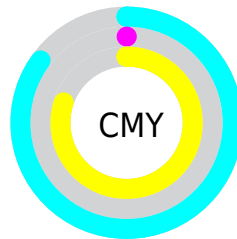
- Red (15%)
- Green (100%)
- Blue (20%)



- Red (15%)
- Yellow (96%)
- Blue (100%)



- Cyan (85%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (85%)
- Magenta (0%)
- Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 37.1351, 72.1624, 14.9891 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 37.1351, 72.1624, 14.9891 by changing the saturation by 10% instead.





 37.1351, 72.1624,  
14.9891


 37.1351, 72.1624,  
14.9891


325.2404,  
468.1067, 234.9387


 25.4863, 53.2913,  
8.6652


 70.0930, 122.2874,  
35.5761


 16.5704, 38.0354,  
4.4296


 92.1328, 154.3101,  
50.6763


 10.0220, 26.0102,  
1.8639


 118.3669,  
191.4855, 69.5389

 5.4760, 16.8312,  
0.4696

 149.1608,  
234.1980, 92.5826

 2.5667, 10.1142,  
0.0000

 184.8797,  
282.8320, 120.2259

 0.9290, 5.4748,  
0.0000

225.8890,

 0.0000, 2.5284,

337.7718, 152.8874

0.0000

272.5542,  
399.4019, 190.9855

■ 0.0000, 0.8908,  
0.0000

■ 0.0000, 0.0000,  
0.0000

■ 37.1351, 72.1624,  
14.9891

■ 37.1351, 72.1624,  
14.9891

■ 36.1043, 71.6761,  
12.9046


■ 39.0815, 73.0891,  
18.5438


■ 35.8400, 71.5520,  
12.3414


■ 42.0935, 74.5293,  
23.7688


■ 46.2949, 76.5432,  
30.8366

■ 51.7923, 79.1823,  
39.8974

 58.6804, 82.4928,  
51.0859

 67.0451, 86.5161,  
64.5250

 76.9652, 91.2906,  
80.3286

 88.5141, 96.8518,  
98.6024

95.0500, 100.0000,  
108.9000

# Harmonies

## Analogous

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



54.2292, 72.1624, 5.0783



37.1351, 72.1624, 14.9891



29.5126, 72.1624, 50.6269

# Triad

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



37.1351, 72.1624, 14.9891



57.9715, 72.1624, 329.5094



130.6059, 72.1624, 42.0227

# Complementary

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



37.1351, 72.1624, 14.9891



58.1096, 29.1169, 87.3451

# 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.



132.3756, 72.1624, 115.2746



37.1351, 72.1624, 14.9891



85.2815, 72.1624, 321.0423

# Square

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



37.1351, 72.1624, 14.9891



39.2554, 72.1624, 245.7377



114.1199, 72.1624, 227.0437



109.7771, 72.1624, 12.2080



# Rectangle

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



37.1351, 72.1624, 14.9891



29.0614, 72.1624, 99.3814



114.1199, 72.1624, 227.0437



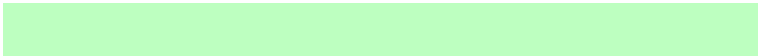
133.6128, 72.1624, 60.8923

# Sweetspot

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



37.1353, 72.1625, 14.9902



66.2273, 86.1226, 63.2165



73.4702, 90.9199, 15.5109



13.5286, 18.1227, 12.4941



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.



37.1353, 72.1625, 14.9902



35.8400, 71.5520, 12.3414



42.6752, 74.3784, 44.1628



17.8123, 20.1845, 19.3146



18.7434, 37.3939, 6.5340



1.8387, 3.6464, 0.7082



# Inverse Universe

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



58.1096, 29.1169, 87.3451



57.1006, 27.6042, 85.4509



46.3523, 24.4140, 25.4321



18.7467, 18.2820, 22.5492



29.8551, 14.4313, 44.7490

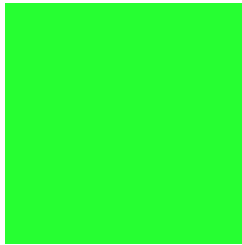


2.9196, 1.4102, 4.4242



# Previews

## White Background



This preview shows how the XYZ color 37.1351, 72.1624, 14.9891 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 37.1351, 72.1624, 14.9891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

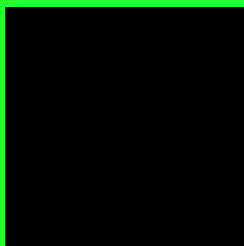
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

# XYZ 37.1351, 72.1624, 14.9891

## Background



This preview shows how black text looks on a background with the XYZ color 37.1351, 72.1624, 14.9891.



This preview shows how white text looks on a background with the XYZ color 37.1351, 72.1624,



# 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

37.1351, 72.1624, 14.9891

### Protanopia

63.7378, 70.4160, 12.3301

### Deuteranopia

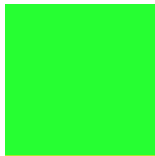
70.0499, 70.4536, 37.5106



## Tritanopia

55.9419, 71.7103, 105.5008

# Trichromacy



## Original Color

37.1351, 72.1624, 14.9891



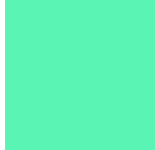
## Protanomaly

45.8888, 66.4411, 12.7887



## Deuteranomaly

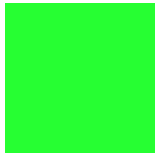
48.5725, 65.8868, 25.4866



## Tritanomaly

44.8054, 70.1703, 54.3628

# Monochromacy



## Original Color

37.1351, 72.1624, 14.9891



## Achromatopsia

36.7301, 38.6429, 42.0822



## Achromatomaly

31.8072, 46.2952, 26.3282

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 37.1351, 72.1624, 14.9891 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(38, 255, 50)` looks like.

```
.text, #text, p{  
    color:rgb(38, 255, 50)  
}
```

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(38, 255, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 255, 50) }
```

## Border

The CSS property to change the border of an element to XYZ 37.1351, 72.1624, 14.9891 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(38, 255, 50) }
```



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

```
.border{ border-color:rgb(38, 255, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 255, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 255, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 255, 50);  
box-shadow:4px 4px 4px 4px rgb(38, 255,  
50) }
```

# Background

The CSS property to change the background color of an element to XYZ 37.1351, 72.1624, 14.9891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 255, 50) }
```

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

```
.background{ background-color: rgb(38, 255,  
50) }
```

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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