

Converting Colors

XYZ(36.6457, 71.9454, 13.3687)

Have a look what the booklet for
XYZ(36.6457, 71.9454, 13.3687)
contains.

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Color

**XYZ(36.6617, 71.9531,
13.3949)**

Conversions

Conversions Part 1

Format	Color
Hex	21FF21
RGB	33, 255, 33
RGB Percent	13%, 100%, 13%
CMY	0.8706, 0.0000, 0.8705
CMYK	0.87, 0.00, 0.87, 0.00
HSL	120°, 100%, 56%
HSV	120°, 87%, 100%
XYZ	36.6617, 71.9531, 13.3949
YIQ	163.3140, -61.0500, -116.1060

Conversions

Conversions Part 2

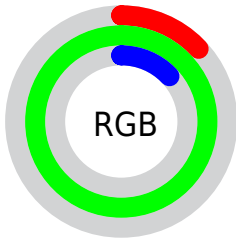
Format	Color
RYB	33, 255, 255
Decimal	2228001
CIELab	87.95, -84.08, 79.75
CIELCh	88, 115.882, 136.514
Yxy	71.9531, 0.3005, 0.5897
Android (android.graphics.Color)	4280418081 (0xFF21FF21)
YUV	163.3140, -64.2448, -114.2854
Hunter-Lab	84.8252, -71.2958, 50.0150

Details

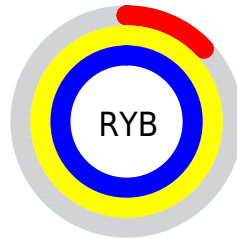
The XYZ color **36.6617, 71.9531, 13.3949** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **59.8315, 29.5668, 97.1489**, and the grayscale version is **35.2775, 37.1147, 40.4179**.

A 20% lighter version of the original color is **46.8124, 76.9349, 25.2146**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **35.8951, 71.5849, 12.1413**, and if you desaturate by 10%, it is **38.3110, 72.7454, 16.0939**.

Distribution



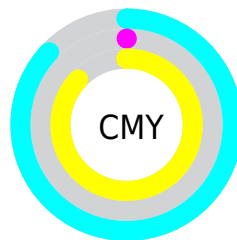
- Red (13%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (100%)



- Cyan (87%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (87%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.6617, 71.9531, 13.3949 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 36.6617, 71.9531, 13.3949 by changing the saturation by 10% instead.


 36.6617, 71.9531,
13.3949


 36.6617, 71.9531,
13.3949


323.2246,
467.3783, 224.7292

 25.1181, 53.1204,
7.5671


 69.3694, 121.9898,
32.7130

 16.2943, 37.8989,
3.7355


 91.2642, 153.9627,
47.0403


 9.8248, 25.9042,
1.4814


 117.3402,
191.0843, 65.0380

 5.3443, 16.7520,
0.2040

 147.9627,
233.7391, 87.1244

 2.4875, 10.0578,
0.0000

 183.4970,
282.3115, 113.7182

 0.8890, 5.4373,
0.0000

224.3085,

 0.0000, 2.5061,

337.1859, 145.2380

0.0000

270.7626,
398.7467, 182.1021

■ 0.0000, 0.8797,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.6617, 71.9531,
13.3949

■ 36.6617, 71.9531,
13.3949

■ 35.8951, 71.5849,
12.1413


■ 38.3110, 72.7454,
16.0939


■ 35.7601, 71.5200,
11.9205


■ 41.0169, 74.0451,
20.5203


■ 44.9163, 75.9182,
26.8988

■ 50.1256, 78.4205,
35.4196

 56.7471, 81.6011,
46.2504

 64.8733, 85.5046,
59.5421

 74.5888, 90.1714,
75.4331

 85.9716, 95.6392,
94.0512

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.



54.3877, 71.9531, 4.3013



36.6617, 71.9531, 13.3949



28.6780, 71.9531, 47.9784

Triad

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



36.6617, 71.9531, 13.3949



56.7453, 71.9531, 338.5235



132.9236, 71.9531, 42.6003

Complementary

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



36.6617, 71.9531, 13.3949



59.8315, 29.5668, 97.1489

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.



134.0568, 71.9531, 119.4001



36.6617, 71.9531, 13.3949



84.6086, 71.9531, 333.0408

Square

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



36.6617, 71.9531, 13.3949



37.9854, 71.9531, 248.4234



114.5662, 71.9531, 236.3707



111.7929, 71.9531, 11.7211

Rectangle

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



36.6617, 71.9531, 13.3949



28.0548, 71.9531, 96.8799



114.5662, 71.9531, 236.3707



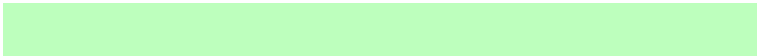
135.8198, 71.9531, 62.3386

Sweetspot

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



36.6619, 71.9532, 13.3960



65.8252, 85.9618, 61.0990



77.2745, 92.8898, 15.2956



13.4368, 18.0859, 12.0104



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.



36.6619, 71.9532, 13.3960



35.7601, 71.5200, 11.9205



41.4213, 73.8570, 38.4584



17.7717, 20.1682, 19.1008



18.6854, 37.3708, 6.2288



1.8194, 3.6387, 0.6066

Inverse Universe

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



59.8315, 29.5668, 97.1489



59.2873, 28.4789, 96.9658



46.8179, 24.3614, 28.6203



18.7927, 18.3004, 22.7915



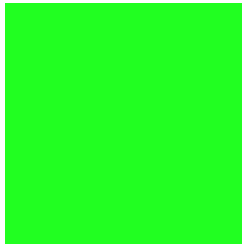
30.9789, 14.8809, 50.6669



3.0163, 1.4489, 4.9333

Previews

White Background



This preview shows how the XYZ color 36.6617, 71.9531, 13.3949 looks on a white background.

Color Contrast Check

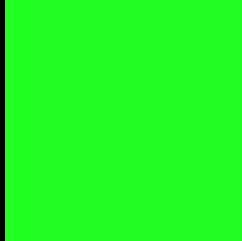
Large Text (above 18pt) WCAG AA × Fail

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 36.6617, 71.9531, 13.3949 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

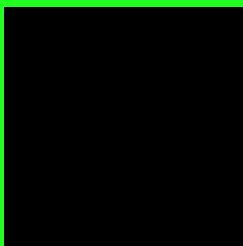
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

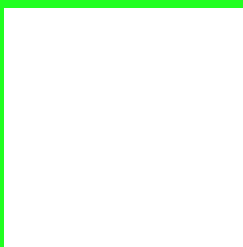
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 36.6617, 71.9531, 13.3949

Background



This preview shows how black text looks on a background with the XYZ color 36.6617, 71.9531, 13.3949.

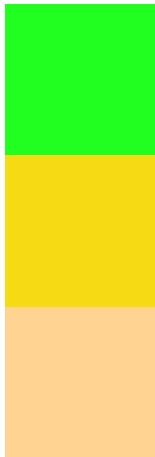


This preview shows how white text looks on a background with the XYZ color 36.6617, 71.9531,

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

36.6617, 71.9531, 13.3949

Protanopia

63.4638, 70.3064, 10.8874

Deuteranopia

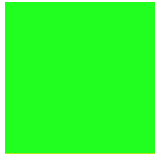
69.6451, 69.8929, 36.6080



Tritanopia

55.3816, 70.9928, 105.3918

Trichromacy



Original Color

36.6617, 71.9531, 13.3949



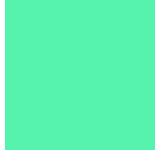
Protanomaly

45.3943, 66.2184, 11.3086



Deuteranomaly

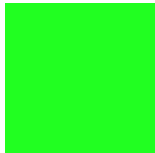
47.4233, 64.9363, 23.1312



Tritanomaly

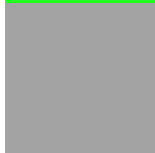
43.5283, 69.1356, 51.0947

Monochromacy



Original Color

36.6617, 71.9531, 13.3949



Achromatopsia

34.8123, 36.6253, 39.8849



Achromatomaly

30.0948, 44.4538, 23.5173

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6617, 71.9531, 13.3949 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(33, 255, 33)` looks like.

```
.text, #text, p{  
    color:rgb(33, 255, 33)  
}
```

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(33, 255, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 255, 33) }
```

Border

The CSS property to change the border of an element to XYZ 36.6617, 71.9531, 13.3949 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(33, 255, 33) }
```


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

```
.border{ border-color:rgb(33, 255, 33) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 255, 33)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 255, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 255, 33);  
box-shadow:4px 4px 4px 4px rgb(33, 255,  
33) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6617, 71.9531, 13.3949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 255, 33) }
```

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

```
.background{ background-color: rgb(33, 255,  
33) }
```

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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