

Converting Colors

XYZ(36.5496, 69.9819, 21.7937)

Have a look what the booklet for
XYZ(36.5496, 69.9819, 21.7937)
contains.

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Color

**XYZ(36.4289, 69.7671,
21.6716)**

Conversions

Conversions Part 1

Format	Color
Hex	00FB5C
RGB	0, 251, 92
RGB Percent	0%, 98%, 36%
CMY	1.0000, 0.0157, 0.6392
CMYK	1.00, 0.00, 0.63, 0.02
HSL	142°, 100%, 49%
HSV	142°, 100%, 98%
XYZ	36.4289, 69.7671, 21.6716
YIQ	157.8250, -98.5570, -102.6610

Conversions

Conversions Part 2

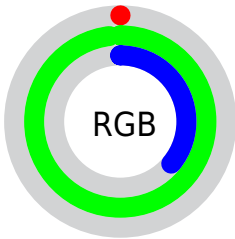
Format	Color
RYB	0, 184, 251
Decimal	64348
CIELab	86.88, -80.26, 60.61
CIELCh	87, 100.579, 142.942
Yxy	69.7671, 0.2849, 0.5456
Android (android.graphics.Color)	4278254428 (0xFF00FB5C)
YUV	157.8250, -32.4517, -138.4125
Hunter-Lab	83.5267, -68.3217, 43.0855

Details

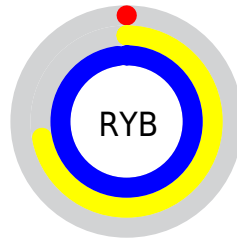
The XYZ color **36.4289, 69.7671, 21.6716** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.0434, 23.0133, 34.8167**, and the grayscale version is **32.5959, 34.2934, 37.3456**.

A 20% lighter version of the original color is **48.2289, 77.3396, 39.9899**, and **19.3307, 38.2442, 7.7295** is the 20% darker color. If you saturate the color by 10%, you get **36.4305, 69.7699, 21.6730**, and if you desaturate by 10%, it is **37.6037, 70.2858, 25.7454**.

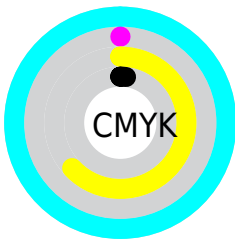
Distribution



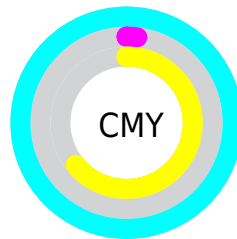
- Red (0%)
- Green (98%)
- Blue (36%)



- Red (0%)
- Yellow (72%)
- Blue (98%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (2%)





- Cyan (100%)
- Magenta (2%)
- Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.4289, 69.7671, 21.6716 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 36.4289, 69.7671, 21.6716 by changing the saturation by 10% instead.


 36.4289, 69.7671,
21.6716


 36.4289, 69.7671,
21.6716


322.2300,
459.7318, 273.7238


 24.9373, 51.3367,
13.4198


 69.0131, 118.8766,
47.0978


 16.1588, 36.4766,
7.5841


 90.8364, 150.3244,
65.1093


 9.7282, 24.8025,
3.7461


 116.8343,
186.8802, 87.2111

 5.2800, 15.9300,
1.4871

 147.3721,
228.9283, 113.8218

 2.4489, 9.4746,
0.2083

 182.8152,
276.8531, 145.3599

 0.8696, 5.0520,
0.0000

223.5290,

 0.0000, 2.2778,

331.0390, 182.2439

0.0000

269.8788,
391.8705, 224.8923

■ 0.0000, 0.7619,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.4289, 69.7671,
21.6716

■ 36.4289, 69.7671,
21.6716

■ 36.4305, 69.7699,
21.6730

■ 37.6037, 70.2858,
25.7454

■ 39.4497, 71.1307,
30.6546

■ 42.1359, 72.3900,
36.4489

■ 45.7662, 74.1165,
43.1712

■ 50.4287, 76.3547,
50.8611

■ 56.2008, 79.1439,
59.5557

■ 63.1523, 82.5192,
69.2902

■ 71.3469, 86.5130,
80.0980

■ 80.8436, 91.1549,
92.0109

Harmonies

Analogous

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



50.2331, 69.7671, 8.2880



36.4289, 69.7671, 21.6716



30.8566, 69.7671, 61.1674

Triad

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



36.4289, 69.7671, 21.6716



60.9206, 69.7671, 289.9024



117.1447, 69.7671, 35.9077

Complementary

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



36.4289, 69.7671, 21.6716



46.0434, 23.0133, 34.8167

Split Complementary

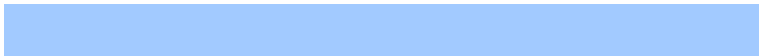
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



121.9241, 69.7671, 92.9740



36.4289, 69.7671, 21.6716



85.4998, 69.7671, 267.9132

Square

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



36.4289, 69.7671, 21.6716



42.6685, 69.7671, 232.7833



109.2283, 69.7671, 183.4733



97.3872, 69.7671, 12.4676

Rectangle

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



36.4289, 69.7671, 21.6716



31.3421, 69.7671, 108.7357



109.2283, 69.7671, 183.4733



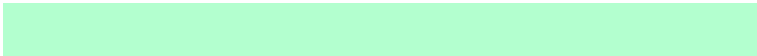
120.7211, 69.7671, 50.5437

Sweetspot

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



36.4306, 69.7700, 21.6732



65.4414, 85.5268, 71.7966



49.6343, 76.7999, 12.2079



13.3238, 17.9741, 14.4277



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.



36.4306, 69.7700, 21.6732



37.7566, 72.3186, 22.4339



46.5538, 73.8193, 74.9816



17.2804, 19.4144, 19.6770



19.2125, 36.6980, 11.7282



1.8285, 3.4185, 1.3446

Inverse Universe

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



46.0434, 23.0133, 34.8167



47.7200, 23.8520, 36.0533



40.1296, 20.6478, 3.6748



17.7073, 17.4103, 20.3145



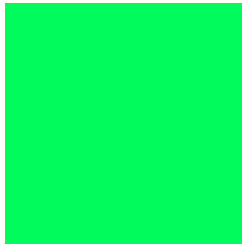
24.2738, 12.1253, 18.6822



2.2992, 1.1434, 1.9988

Previews

White Background



This preview shows how the XYZ color 36.4289, 69.7671, 21.6716 looks on a white background.

Color Contrast Check

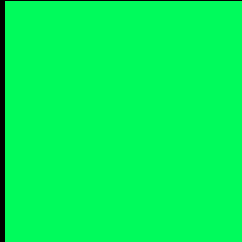
Large Text (above 18pt) WCAG AA × Fail

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 36.4289, 69.7671, 21.6716 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 36.4289, 69.7671, 21.6716

Background



This preview shows how black text looks on a background with the XYZ color 36.4289, 69.7671, 21.6716.

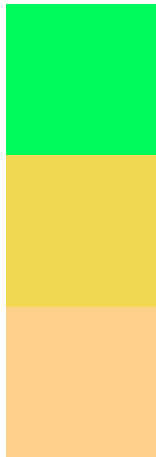


This preview shows how white text looks on a background with the XYZ color 36.4289, 69.7671,

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

36.4289, 69.7671, 21.6716

Protanopia

62.0140, 68.2462, 17.8870

Deuteranopia

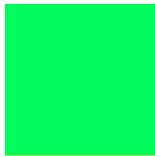
68.2864, 67.7791, 34.2945



Tritanopia

52.9646, 69.3391, 104.3582

Trichromacy



Original Color

36.4289, 69.7671, 21.6716



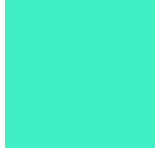
Protanomaly

42.8359, 63.4828, 18.7998



Deuteranomaly

44.8631, 61.8868, 28.3197



Tritanomaly

43.4200, 67.9407, 62.4552

Monochromacy



Original Color

36.4289, 69.7671, 21.6716



Achromatopsia

32.4990, 34.1914, 37.2345



Achromatomaly

28.5195, 42.1872, 29.1941

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.4289, 69.7671, 21.6716 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(0, 251, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 251, 92)  
}
```

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(0, 251, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 251, 92) }
```

Border

The CSS property to change the border of an element to XYZ 36.4289, 69.7671, 21.6716 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(0, 251, 92) }
```


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

```
.border{ border-color:rgb(0, 251, 92) }
```

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

Here you see how a box with a 4 pixel rgb(0, 251, 92) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 251, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 251, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 251, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.4289, 69.7671, 21.6716 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 251, 92) }
```

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

```
.background{ background-color: rgb(0, 251,  
92) }
```

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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