

Converting Colors

XYZ(36.8818, 70.6897, 21.7701)

Have a look what the booklet for
XYZ(36.8818, 70.6897, 21.7701)
contains.

XYZ(36.7422, 70.3935, 21.7760)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.7422, 70.3935,
21.7760)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC5C
RGB	0, 252, 92
RGB Percent	0%, 99%, 36%
CMY	1.0000, 0.0117, 0.6392
CMYK	1.00, 0.00, 0.63, 0.01
HSL	142°, 100%, 49%
HSV	142°, 100%, 99%
XYZ	36.7422, 70.3935, 21.7760
YIQ	158.4120, -98.8320, -103.1840

Conversions

Conversions Part 2

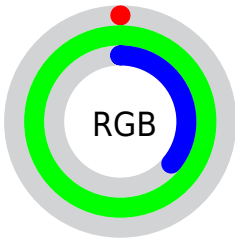
Format	Color
RYB	0, 185, 252
Decimal	64604
CIELab	87.19, -80.55, 60.95
CIELCh	87, 101.013, 142.885
Yxy	70.3935, 0.2850, 0.5461
Android (android.graphics.Color)	4278254684 (0xFF00FC5C)
YUV	158.4120, -32.7411, -138.9273
Hunter-Lab	83.9008, -68.6570, 43.3422

Details

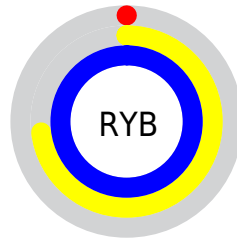
The XYZ color **36.7422, 70.3935, 21.7760** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.4928, 23.2350, 35.2974**, and the grayscale version is **32.8660, 34.5775, 37.6549**.

A 20% lighter version of the original color is **48.3078, 77.3711, 40.4050**, and **19.5525, 38.6879, 7.8035** is the 20% darker color. If you saturate the color by 10%, you get **36.7434, 70.3962, 21.7758**, and if you desaturate by 10%, it is **37.9250, 70.9157, 25.8782**.

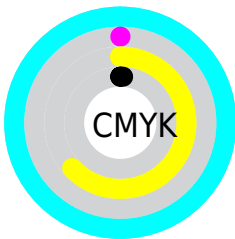
Distribution



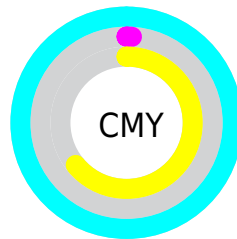
- Red (0%)
- Green (99%)
- Blue (36%)



- Red (0%)
- Yellow (73%)
- Blue (99%)



- Cyan (100%)
- Magenta (0%)
- Yellow (63%)
- Black (1%)





- Cyan (100%)
- Magenta (1%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7422, 70.3935, 21.7760 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 36.7422, 70.3935, 21.7760 by changing the saturation by 10% instead.


 36.7422, 70.3935,
21.7760


 36.7422, 70.3935,
21.7760


323.5680,
461.9304, 274.2895


 25.1807, 51.8474,
13.4957


 69.4925, 119.7697,
47.2729


 16.3412, 36.8835,
7.6360


 91.4121, 151.3687,
65.3266


 9.8583, 25.1173,
3.7785


 117.5150,
188.0873, 87.4751

 5.3666, 16.1644,
1.5046

 148.1667,
230.3101, 114.1370

 2.5009, 9.6406,
0.2214

 183.7325,
278.4214, 145.7309

 0.8957, 5.1613,
0.0000

224.5777,

 0.0000, 2.3422,

332.8057, 182.6752

0.0000

271.0678,
393.8472, 225.3886

■ 0.0000, 0.7959,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7422, 70.3935,
21.7760

■ 36.7422, 70.3935,
21.7760


■ 36.7434, 70.3962,
21.7758


■ 37.9250, 70.9157,
25.8782


■ 39.7861, 71.7676,
30.8265

■ 42.4958, 73.0379,
36.6716


■ 46.1592, 74.7801,
43.4571

 50.8653, 77.0391,
51.2232

 56.6923, 79.8546,
60.0076

 63.7106, 83.2622,
69.8463

 71.9847, 87.2944,
80.7730

 81.5743, 91.9813,
92.8203

Harmonies

Analogous

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



50.6995, 70.3935, 8.3146



36.7422, 70.3935, 21.7760



31.1011, 70.3935, 61.5860

Triad

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



36.7422, 70.3935, 21.7760



61.4177, 70.3935, 292.8843



118.3036, 70.3935, 36.2624

Complementary

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



36.7422, 70.3935, 21.7760



46.4928, 23.2350, 35.2974

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.



123.1001, 70.3935, 93.9817



36.7422, 70.3935, 21.7760



86.2454, 70.3935, 270.8052

Square

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



36.7422, 70.3935, 21.7760



42.9974, 70.3935, 234.9974



110.2376, 70.3935, 185.4959



98.3556, 70.3935, 12.5619

Rectangle

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



36.7422, 70.3935, 21.7760



31.5817, 70.3935, 109.5991



110.2376, 70.3935, 185.4959



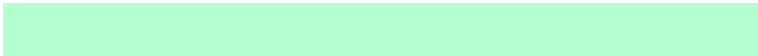
121.9078, 70.3935, 51.0652

Sweetspot

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



36.7439, 70.3964, 21.7776



65.4276, 85.5213, 71.7239



50.0819, 77.4955, 12.3189



13.3206, 17.9728, 14.4107



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.



36.7439, 70.3964, 21.7776



37.7398, 72.3119, 22.3455



46.9758, 74.4891, 75.6580



17.2793, 19.4140, 19.6713



19.2038, 36.6945, 11.6825



1.8276, 3.4181, 1.3399

Inverse Universe

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



46.4928, 23.2350, 35.2974



47.7535, 23.8654, 36.2297



40.4934, 20.8352, 3.7051



17.7085, 17.4107, 20.3205



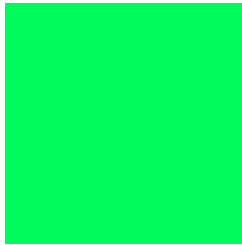
24.2907, 12.1320, 18.7713



2.3007, 1.1440, 2.0067

Previews

White Background



This preview shows how the XYZ color 36.7422, 70.3935, 21.7760 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 36.7422, 70.3935, 21.7760 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

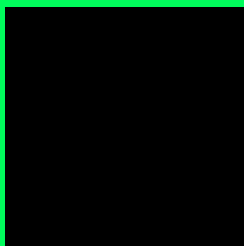
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7422, 70.3935, 21.7760

Background



This preview shows how black text looks on a background with the XYZ color 36.7422, 70.3935, 21.7760.

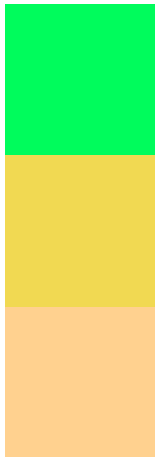


This preview shows how white text looks on a background with the XYZ color 36.7422, 70.3935,

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

36.7422, 70.3935, 21.7760

Protanopia

62.6115, 68.9357, 17.9886

Deuteranopia

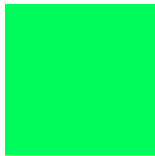
68.9984, 68.8441, 35.6382



Tritanopia

53.5249, 70.0357, 105.3049

Trichromacy



Original Color

36.7422, 70.3935, 21.7760



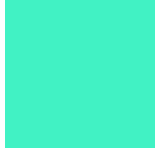
Protanomaly

43.1134, 64.0378, 18.8923



Deuteranomaly

45.4636, 62.9870, 28.8303



Tritanomaly

43.8959, 68.6136, 63.1547

Monochromacy



Original Color

36.7422, 70.3935, 21.7760



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 36.7422, 70.3935, 21.7760 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, 252, 92)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 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, 252, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 92) }
```

Border

The CSS property to change the border of an element to XYZ 36.7422, 70.3935, 21.7760 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, 252, 92) }
```


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

```
.border{ border-color:rgb(0, 252, 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, 252, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 92);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 92)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7422, 70.3935, 21.7760 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 252, 92) }
```

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

```
.background{ background-color: rgb(0, 252,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor