

Converting Colors

XYZ(36.9083, 70.6864, 21.9530)

Have a look what the booklet for
XYZ(36.9083, 70.6864, 21.9530)
contains.

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Color

**XYZ(36.7862, 70.4111,
22.0078)**

Conversions

Conversions Part 1

Format	Color
Hex	00FC5D
RGB	0, 252, 93
RGB Percent	0%, 99%, 36%
CMY	1.0000, 0.0117, 0.6353
CMYK	1.00, 0.00, 0.63, 0.01
HSL	142°, 100%, 49%
HSV	142°, 100%, 99%
XYZ	36.7862, 70.4111, 22.0078
YIQ	158.5260, -99.1530, -102.8730

Conversions

Conversions Part 2

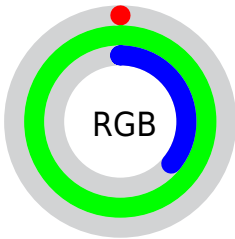
Format	Color
RYB	0, 184, 252
Decimal	64605
CIELab	87.20, -80.44, 60.55
CIELCh	87, 100.686, 143.028
Yxy	70.4111, 0.2847, 0.5450
Android (android.graphics.Color)	4278254685 (0xFF00FC5D)
YUV	158.5260, -32.3043, -139.0273
Hunter-Lab	83.9113, -68.5915, 43.1877

Details

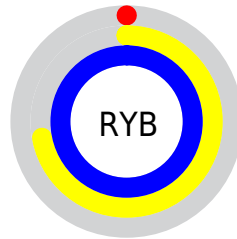
The XYZ color **36.7862, 70.4111, 22.0078** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **46.4055, 23.2000, 34.8378**, and the grayscale version is **32.9160, 34.6302, 37.7123**.

A 20% lighter version of the original color is **48.3078, 77.3711, 40.4050**, and **19.5805, 38.6991, 7.9510** is the 20% darker color. If you saturate the color by 10%, you get **36.7875, 70.4138, 22.0078**, and if you desaturate by 10%, it is **37.9731, 70.9350, 26.1318**.

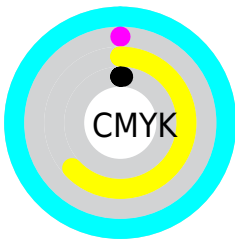
Distribution



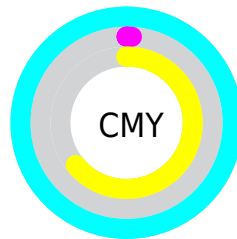
- Red (0%)
- Green (99%)
- Blue (36%)



- Red (0%)
- Yellow (72%)
- 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 36.7862, 70.4111, 22.0078 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 36.7862, 70.4111, 22.0078 by changing the saturation by 10% instead.


 36.7862, 70.4111,
22.0078


 36.7862, 70.4111,
22.0078


323.7556,
461.9921, 275.5418


 25.2149, 51.8618,
13.6643


 69.5598, 119.7948,
47.6612


 16.3668, 36.8949,
7.7515


 91.4928, 151.3980,
65.8082


 9.8766, 25.1261,
3.8508


 117.6105,
188.1212, 88.0601

 5.3788, 16.1710,
1.5439

 148.2781,
230.3489, 114.8354

 2.5082, 9.6453,
0.2503

 183.8611,
278.4655, 146.5527

 0.8994, 5.1644,
0.0000

224.7248,

 0.0000, 2.3440,

332.8552, 183.6305

0.0000

271.2345,
393.9027, 226.4874

■ 0.0000, 0.7969,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 36.7862, 70.4111,
22.0078

■ 36.7862, 70.4111,
22.0078

■ 36.7875, 70.4138,
22.0078

■ 37.9731, 70.9350,
26.1318

■ 39.8368, 71.7879,
31.0940

■ 42.5474, 73.0585,
36.9443

■ 46.2099, 74.8003,
43.7252

■ 50.9131, 77.0582,
51.4763

■ 56.7351, 79.8718,
60.2348

■ 63.7462, 83.2764,
70.0356

■ 72.0107, 87.3048,
80.9121

■ 81.5883, 91.9868,
92.8962

Harmonies

Analogous

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



50.6738, 70.4111, 8.4370



36.7862, 70.4111, 22.0078



31.1906, 70.4111, 61.9284

Triad

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



36.7862, 70.4111, 22.0078



61.5578, 70.4111, 292.0061



118.0647, 70.4111, 36.1912

Complementary

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



36.7862, 70.4111, 22.0078



46.4055, 23.2000, 34.8378

Split Complementary

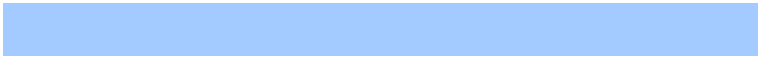
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



122.9267, 70.4111, 93.5732



36.7862, 70.4111, 22.0078



86.3217, 70.4111, 269.6538

Square

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



36.7862, 70.4111, 22.0078



43.1440, 70.4111, 234.7426



110.1928, 70.4111, 184.6030



98.1447, 70.4111, 12.6096

Rectangle

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



36.7862, 70.4111, 22.0078



31.6945, 70.4111, 109.9081



110.1928, 70.4111, 184.6030



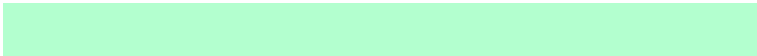
121.6804, 70.4111, 50.9091

Sweetspot

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



36.7879, 70.4140, 22.0094



65.4647, 85.5361, 71.9190



49.2305, 77.0566, 12.2790



13.3292, 17.9762, 14.4563



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.



36.7879, 70.4140, 22.0094



37.7850, 72.3300, 22.5837



47.5199, 74.7068, 78.5233



17.2822, 19.4152, 19.6866



19.2272, 36.7039, 11.8056



1.8300, 3.4191, 1.3525

Inverse Universe

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



46.4055, 23.2000, 34.8378



47.6639, 23.8296, 35.7577



40.4297, 20.8097, 3.3698



17.7054, 17.4095, 20.3045



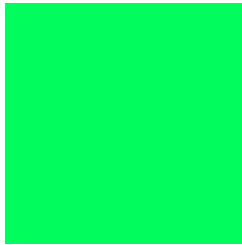
24.2455, 12.1139, 18.5331



2.2967, 1.1424, 1.9856

Previews

White Background



This preview shows how the XYZ color 36.7862, 70.4111, 22.0078 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 36.7862, 70.4111, 22.0078 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

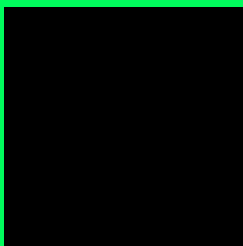
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.7862, 70.4111, 22.0078

Background



This preview shows how black text looks on a background with the XYZ color 36.7862, 70.4111, 22.0078.



This preview shows how white text looks on a background with the XYZ color 36.7862, 70.4111,

Color Blindness Simulation

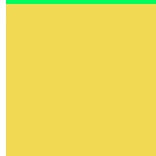
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



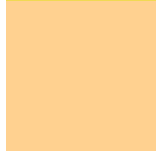
Original Color

36.7862, 70.4111, 22.0078



Protanopia

62.6498, 68.9510, 18.1905



Deuteranopia

69.0745, 68.8745, 36.0391



Tritanopia

53.5249, 70.0357, 105.3049

Trichromacy



Original Color

36.7862, 70.4111, 22.0078



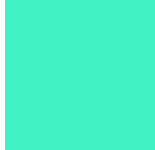
Protanomaly

43.1540, 64.0541, 19.1060



Deuteranomaly

45.5272, 63.0125, 29.1651



Tritanomaly

43.8959, 68.6136, 63.1547

Monochromacy



Original Color

36.7862, 70.4111, 22.0078



Achromatopsia

32.9542, 34.6704, 37.7561



Achromatomaly

28.8100, 42.6559, 29.6366

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7862, 70.4111, 22.0078 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, 93)` looks like.

```
.text, #text, p{  
    color:rgb(0, 252, 93)  
}
```

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, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 252, 93) }
```

Border

The CSS property to change the border of an element to XYZ 36.7862, 70.4111, 22.0078 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, 93) }
```


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

```
.border{ border-color:rgb(0, 252, 93) }
```

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, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 252, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 252, 93);  
box-shadow:4px 4px 4px 4px rgb(0, 252, 93)  
}
```

Background

The CSS property to change the background color of an element to XYZ 36.7862, 70.4111, 22.0078 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, 93) }
```

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

```
.background{ background-color: rgb(0, 252,  
93) }
```

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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