

Converting Colors

XYZ(41.0482, 85.8774, 25.1097)

Have a look what the booklet for
XYZ(41.0482, 85.8774, 25.1097)
contains.

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Color

**XYZ(37.7804, 72.3282,
22.5592)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF5E
RGB	0, 255, 94
RGB Percent	0%, 100%, 37%
CMY	1.0000, 0.0000, 0.6314
CMYK	1.00, 0.00, 0.63, 0.00
HSL	142°, 100%, 50%
HSV	142°, 100%, 100%
XYZ	37.7804, 72.3282, 22.5592
YIQ	160.4010, -100.2990, -104.1310

Conversions

Conversions Part 2

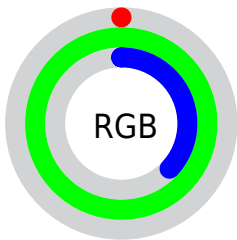
Format	Color
RYB	0, 186, 255
Decimal	65374
CIELab	88.13, -81.19, 61.18
CIELCh	88, 101.661, 142.999
Yxy	72.3282, 0.2848, 0.5452
Android (android.graphics.Color)	4278255454 (0xFF00FF5E)
YUV	160.4010, -32.7357, -140.6717
Hunter-Lab	85.0460, -69.5345, 43.8050

Details

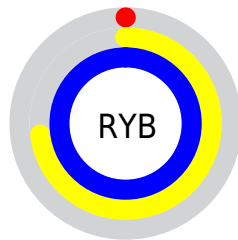
The XYZ color **37.7804, 72.3282, 22.5592** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **47.6734, 23.8335, 35.8072**, and the grayscale version is **33.7797, 35.5389, 38.7019**.

A 20% lighter version of the original color is **48.6011, 77.5039, 41.2524**, and **20.0433, 39.6012, 8.1775** is the 20% darker color. If you saturate the color by 10%, you get **37.7804, 72.3282, 22.5592**, and if you desaturate by 10%, it is **38.9937, 72.8613, 26.7903**.

Distribution



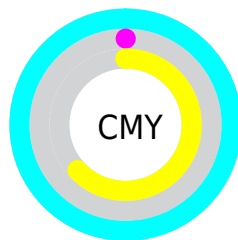
- Red (0%)
- Green (100%)
- Blue (37%)



- Red (0%)
- Yellow (73%)
- Blue (100%)



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





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.7804, 72.3282, 22.5592 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 37.7804, 72.3282, 22.5592 by changing the saturation by 10% instead.


 37.7804, 72.3282,
22.5592


 37.7804, 72.3282,
22.5592


327.9742,
468.6831, 278.5010


 25.9887, 53.4268,
14.0661


 71.0775, 122.5230,
48.5825


 16.9478, 38.1436,
8.0274


 93.3136, 154.5853,
66.9498


 10.2924, 26.0942,
4.0245


 119.7620,
191.8033, 89.4456

 5.6570, 16.8941,
1.6388

 150.7879,
234.5614, 116.4884

 2.6763, 10.1590,
0.3183

 186.7567,
283.2440, 148.4969

 0.9850, 5.5045,
0.0000

228.0338,

 0.0000, 2.5462,

338.2356, 185.8894

0.0000

274.9845,
399.9205, 229.0846

■ 0.0000, 0.8997,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.7804, 72.3282,
22.5592

■ 38.9937, 72.8613,
26.7903

■ 40.9048, 73.7357,
31.8846

■ 43.6864, 75.0396,
37.8930

■ 47.4469, 76.8278,
44.8594

■ 52.2776, 79.1468,
52.8246

■ 58.2589, 82.0373,
61.8268

■ 65.4633, 85.5357,
71.9023

■ 73.9570, 89.6757,
83.0854

■ 83.8013, 94.4881,
95.4090

Harmonies

Analogous

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



52.0616, 72.3282, 8.6412



37.7804, 72.3282, 22.5592



32.0226, 72.3282, 63.5456

Triad

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



37.7804, 72.3282, 22.5592



63.2076, 72.3282, 300.1573



121.3358, 72.3282, 37.1934

Complementary

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



37.7804, 72.3282, 22.5592



47.6734, 23.8335, 35.8072

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.



126.3168, 72.3282, 96.2117



37.7804, 72.3282, 22.5592



88.6605, 72.3282, 277.2525

Square

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



37.7804, 72.3282, 22.5592



44.2900, 72.3282, 241.2005



113.2084, 72.3282, 189.8268



100.8665, 72.3282, 12.9435

Rectangle

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



37.7804, 72.3282, 22.5592



32.5353, 72.3282, 112.8415



113.2084, 72.3282, 189.8268



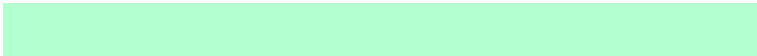
125.0478, 72.3282, 52.3307

Sweetspot

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



37.7807, 72.3283, 22.5604



65.4609, 85.5346, 71.8991



50.5595, 79.1494, 12.6128



13.3283, 17.9759, 14.4516



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.



37.7807, 72.3283, 22.5604



37.7804, 72.3282, 22.5592



48.8114, 76.7406, 80.6471



18.0484, 20.2789, 20.5578



19.8067, 37.8193, 12.1334



1.9790, 3.7025, 1.4475

Inverse Universe

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



47.6734, 23.8335, 35.8072



47.6730, 23.8332, 35.8058



41.5289, 21.3757, 3.4510



18.4920, 18.1801, 21.2078



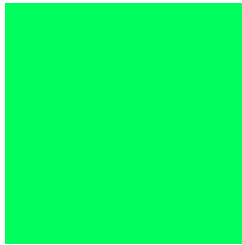
24.9847, 12.4832, 19.1015



2.4854, 1.2365, 2.1375

Previews

White Background



This preview shows how the XYZ color 37.7804, 72.3282, 22.5592 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 37.7804, 72.3282, 22.5592 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 37.7804, 72.3282, 22.5592

Background



This preview shows how black text looks on a background with the XYZ color 37.7804, 72.3282, 22.5592.

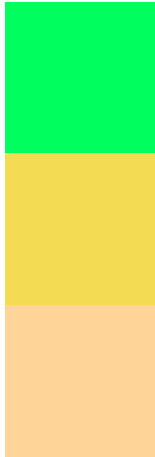


This preview shows how white text looks on a background with the XYZ color 37.7804, 72.3282, 22.5592.

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

37.7804, 72.3282, 22.5592

Protanopia

64.2400, 70.5362, 18.6165

Deuteranopia

70.5333, 70.6469, 40.0557



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

37.7804, 72.3282, 22.5592



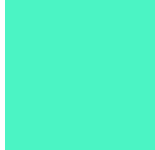
Protanomaly

44.1356, 65.3864, 19.5272



Deuteranomaly

46.8086, 64.8341, 31.8770



Tritanomaly

45.2161, 70.1827, 63.3880

Monochromacy



Original Color

37.7804, 72.3282, 22.5592



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.4385, 43.6326, 30.1629

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7804, 72.3282, 22.5592 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, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 94)  
}
```

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, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 94) }
```

Border

The CSS property to change the border of an element to XYZ 37.7804, 72.3282, 22.5592 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, 255, 94) }
```


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

```
.border{ border-color:rgb(0, 255, 94) }
```

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

Here you see how a box with a 4 pixel rgb(0, 255, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 94)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.7804, 72.3282, 22.5592 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 255, 94) }
```

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

```
.background{ background-color: rgb(0, 255,  
94) }
```

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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