

Converting Colors

XYZ(37.4099, 72.0653, 21.0510)

Have a look what the booklet for
XYZ(37.4099, 72.0653, 21.0510)
contains.

XYZ(37.4803, 72.2081, 20.9790)	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(37.4803, 72.2081,
20.9790)**

Conversions

Conversions Part 1

Format	Color
Hex	00FF57
RGB	0, 255, 87
RGB Percent	0%, 100%, 34%
CMY	1.0000, 0.0000, 0.6588
CMYK	1.00, 0.00, 0.66, 0.00
HSL	140°, 100%, 50%
HSV	140°, 100%, 100%
XYZ	37.4803, 72.2081, 20.9790
YIQ	159.6030, -98.0520, -106.3080

Conversions

Conversions Part 2

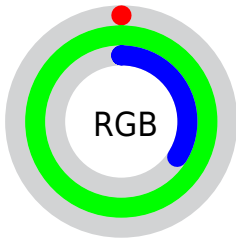
Format	Color
RYB	0, 190, 255
Decimal	65367
CIELab	88.07, -81.92, 63.91
CIELCh	88, 103.900, 142.037
Yxy	72.2081, 0.2868, 0.5526
Android (android.graphics.Color)	4278255447 (0xFF00FF57)
YUV	159.6030, -35.7933, -139.9718
Hunter-Lab	84.9753, -69.9754, 44.8450

Details

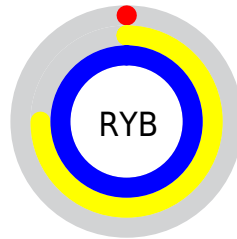
The XYZ color **37.4803, 72.2081, 20.9790** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark saturated green. A complement of this color would be **48.3082, 24.0874, 39.1501**, and the grayscale version is **33.4238, 35.1644, 38.2940**.

A 20% lighter version of the original color is **48.0540, 77.2851, 38.3714**, and **19.8847, 39.5378, 7.3426** is the 20% darker color. If you saturate the color by 10%, you get **37.4803, 72.2081, 20.9791**, and if you desaturate by 10%, it is **38.6624, 72.7287, 25.0453**.

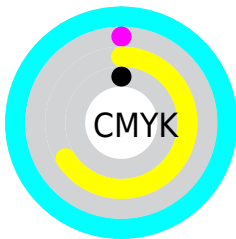
Distribution



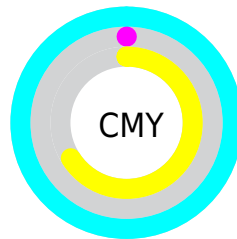
- Red (0%)
- Green (100%)
- Blue (34%)



- Red (0%)
- Yellow (75%)
- Blue (100%)



- Cyan (100%)
- Magenta (0%)
- Yellow (66%)
- Black (0%)





- Cyan (100%)
- Magenta (0%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4803, 72.2081, 20.9790 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 37.4803, 72.2081, 20.9790 by changing the saturation by 10% instead.


 37.4803, 72.2081,
20.9790


 37.4803, 72.2081,
20.9790


326.7048,
468.2656, 269.9443


 25.7550, 53.3287,
12.9176


 70.6199, 122.3523,
45.9329


 16.7721, 38.0652,
7.2417


 92.7649, 154.3860,
63.6625

 10.1665, 26.0333,
3.5330

 119.1138,
191.5731, 85.4518

 5.5726, 16.8486,
1.3728

 150.0320,
234.2982, 111.7195

 2.6251, 10.1266,
0.1204

 185.8849,
282.9456, 142.8840

 0.9588, 5.4830,
0.0000

227.0377,

 0.0000, 2.5333,

337.8997, 179.3640

0.0000

273.8559,
399.5449, 221.5779

■ 0.0000, 0.8933,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4803, 72.2081,
20.9790

■ 37.4803, 72.2081,
20.9790

■ 37.4803, 72.2081,
20.9791

■ 38.6624, 72.7287,
25.0453

■ 40.5527, 73.5948,
30.0304

■ 43.3255, 74.8952,
35.9924

■ 47.0902, 76.6852,
42.9814

■ 51.9394, 79.0116,
51.0440

■ 57.9545, 81.9155,
60.2238

■ 65.2087, 85.4339,
70.5617

■ 73.7692, 89.6006,
82.0966

■ 83.6982, 94.4468,
94.8658

Harmonies

Analogous

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



52.2477, 72.2081, 7.8159



37.4803, 72.2081, 20.9790



31.4070, 72.2081, 61.1795

Triad

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



37.4803, 72.2081, 20.9790



62.2350, 72.2081, 306.2868



123.0079, 72.2081, 37.7033

Complementary

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



37.4803, 72.2081, 20.9790



48.3082, 24.0874, 39.1501

Split Complementary

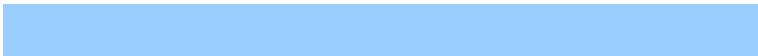
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



127.5248, 72.2081, 99.1006



37.4803, 72.2081, 20.9790



88.1258, 72.2081, 285.3377

Square

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



37.4803, 72.2081, 20.9790



43.2766, 72.2081, 242.9477



113.5155, 72.2081, 196.1209



102.3466, 72.2081, 12.6197

Rectangle

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



37.4803, 72.2081, 20.9790



31.7580, 72.2081, 110.6850



113.5155, 72.2081, 196.1209



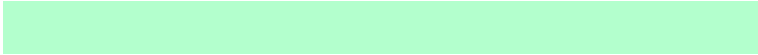
126.6369, 72.2081, 53.4395

Sweetspot

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



37.4806, 72.2083, 20.9802



65.2063, 85.4327, 70.5583



52.3382, 80.0664, 12.6961



13.2689, 17.9521, 14.1387



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.



37.4806, 72.2083, 20.9802



37.4803, 72.2081, 20.9791



47.7071, 76.2989, 74.8322



18.0273, 20.2704, 20.4467



19.6468, 37.7553, 11.2911



1.9617, 3.6956, 1.3564

Inverse Universe

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



48.3082, 24.0874, 39.1501



48.3079, 24.0871, 39.1488



41.6671, 21.4310, 4.1788



18.5139, 18.1889, 21.3232



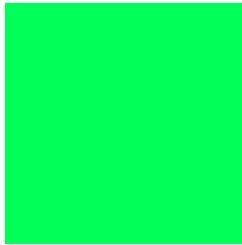
25.3147, 12.6152, 20.8393



2.5160, 1.2488, 2.2989

Previews

White Background



This preview shows how the XYZ color 37.4803, 72.2081, 20.9790 looks on a white background.

Color Contrast Check

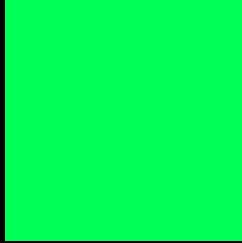
Large Text (above 18pt) WCAG AA × Fail

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 37.4803, 72.2081, 20.9790 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

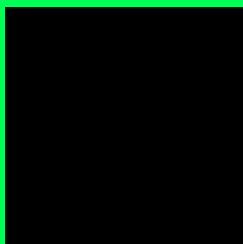
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4803, 72.2081, 20.9790

Background



This preview shows how black text looks on a background with the XYZ color 37.4803, 72.2081, 20.9790.

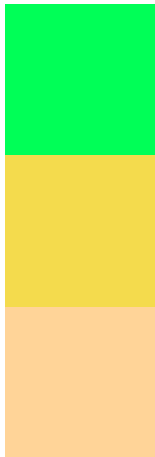


This preview shows how white text looks on a background with the XYZ color 37.4803, 72.2081,

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

37.4803, 72.2081, 20.9790

Protanopia

63.9793, 70.4320, 17.2438

Deuteranopia

70.4510, 70.6140, 39.6225



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

37.4803, 72.2081, 20.9790



Protanomaly

43.8594, 65.2759, 18.0725



Deuteranomaly

46.5400, 64.7267, 30.4627



Tritanomaly

44.9899, 70.0923, 62.1969

Monochromacy



Original Color

37.4803, 72.2081, 20.9790



Achromatopsia

33.4132, 35.1533, 38.2819



Achromatomaly

29.2282, 43.5484, 29.0555

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4803, 72.2081, 20.9790 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, 87)` looks like.

```
.text, #text, p{  
    color:rgb(0, 255, 87)  
}
```

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, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 255, 87) }
```

Border

The CSS property to change the border of an element to XYZ 37.4803, 72.2081, 20.9790 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, 87) }
```


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

```
.border{ border-color:rgb(0, 255, 87) }
```

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, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 255, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 255, 87);  
box-shadow:4px 4px 4px 4px rgb(0, 255, 87)  
}
```

Background

The CSS property to change the background color of an element to XYZ 37.4803, 72.2081, 20.9790 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, 87) }
```

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

```
.background{ background-color: rgb(0, 255,  
87) }
```

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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