

Converting Colors

XYZ(37.8679, 72.3943, 21.6136)

Have a look what the booklet for
XYZ(37.8679, 72.3943, 21.6136)
contains.

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Color

**XYZ(37.8740, 72.3966,
21.6506)**

Conversions

Conversions Part 1

Format	Color
Hex	13FF5A
RGB	19, 255, 90
RGB Percent	7%, 100%, 35%
CMY	0.9255, 0.0000, 0.6470
CMYK	0.93, 0.00, 0.65, 0.00
HSL	138°, 100%, 54%
HSV	138°, 93%, 100%
XYZ	37.8740, 72.3966, 21.6506
YIQ	165.6260, -87.6910, -101.3470

Conversions

Conversions Part 2

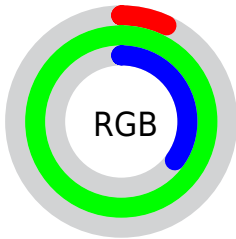
Format	Color
RYB	19, 200, 255
Decimal	1310554
CIELab	88.16, -81.03, 62.85
CIElCh	88, 102.545, 142.200
Yxy	72.3966, 0.2871, 0.5488
Android (android.graphics.Color)	4279500634 (0xFF13FF5A)
YUV	165.6260, -37.2836, -128.5910
Hunter-Lab	85.0862, -69.4460, 44.4737

Details

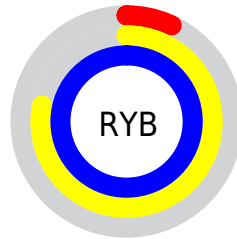
The XYZ color **37.8740, 72.3966, 21.6506** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **50.1247, 25.1866, 47.5670**, and the grayscale version is **36.2702, 38.1591, 41.5552**.

A 20% lighter version of the original color is **48.6940, 77.5884, 39.6037**, and **19.9495, 39.5637, 7.6837** is the 20% darker color. If you saturate the color by 10%, you get **37.0896, 72.0518, 18.9216**, and if you desaturate by 10%, it is **39.5184, 73.1459, 26.1766**.

Distribution



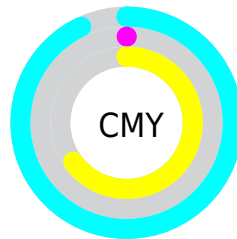
- Red (7%)
- Green (100%)
- Blue (35%)



- Red (7%)
- Yellow (78%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.8740, 72.3966, 21.6506 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 37.8740, 72.3966, 21.6506 by changing the saturation by 10% instead.


 37.8740, 72.3966,
21.6506


 37.8740, 72.3966,
21.6506


328.3694,
468.9208, 273.6099

 26.0617, 53.4827,
13.4045


 71.2201, 122.6202,
47.0626


 17.0027, 38.1883,
7.5737


 93.4846, 154.6988,
65.0656

 10.3317, 26.1288,
3.7396


 119.9639,
191.9343, 87.1580

 5.6834, 16.9200,
1.4836

 151.0233,
234.7112, 113.7583

 2.6924, 10.1775,
0.2057

187.0282,
283.4140, 145.2852

 0.9932, 5.5168,
0.0000

228.3439,

 0.0000, 2.5536,

338.4269, 182.1570

0.0000

275.3359,
400.1344, 224.7924

■ 0.0000, 0.9034,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.8740, 72.3966,
21.6506

■ 37.8740, 72.3966,
21.6506

■ 37.0896, 72.0518,
18.9216

■ 39.5184, 73.1459,
26.1766

■ 42.0302, 74.3199,
31.7543

■ 45.5271, 75.9781,
38.4472

■ 50.1069, 78.1697,
46.3127

■ 55.8555, 80.9380,
55.4040

■ 62.8494, 84.3213,
65.7710

■ 71.1588, 88.3547,
77.4607

■ 80.8482, 93.0709,
90.5179

■ 91.9781, 98.4998,
104.9849

Harmonies

Analogous

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



52.4885, 72.3966, 8.2532



37.8740, 72.3966, 21.6506



31.8704, 72.3966, 61.8856

Triad

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



37.8740, 72.3966, 21.6506



62.6084, 72.3966, 302.5719



122.3482, 72.3966, 38.0218

Complementary

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



37.8740, 72.3966, 21.6506



50.1247, 25.1866, 47.5670

Split Complementary

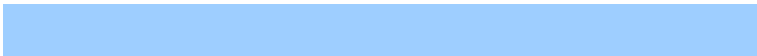
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



126.8931, 72.3966, 98.6097



37.8740, 72.3966, 21.6506



88.2081, 72.3966, 281.5981

Square

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



37.8740, 72.3966, 21.6506



43.7691, 72.3966, 240.9083



113.1953, 72.3966, 193.9343



101.9435, 72.3966, 13.0299

Rectangle

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



37.8740, 72.3966, 21.6506



32.2483, 72.3966, 110.9469



113.1953, 72.3966, 193.9343



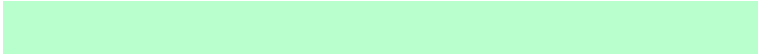
125.9500, 72.3966, 53.5956

Sweetspot

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



37.8743, 72.3968, 21.6518



66.4607, 86.0727, 70.9197



55.6931, 81.7823, 13.4665



13.4903, 18.0666, 14.1325



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.



37.8743, 72.3968, 21.6518



37.0896, 72.0518, 18.9216



47.3893, 76.2028, 71.7571



17.9965, 20.2581, 20.2843



19.4374, 37.6716, 10.1886



1.9384, 3.6863, 1.2335

Inverse Universe

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



50.1247, 25.1866, 47.5670



49.3043, 24.4857, 44.3958



42.4623, 22.1217, 7.2177



18.5462, 18.2018, 21.4934



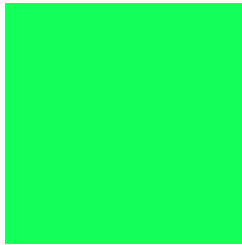
25.8318, 12.8220, 23.5624



2.5636, 1.2678, 2.5491

Previews

White Background



This preview shows how the XYZ color 37.8740, 72.3966, 21.6506 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 37.8740, 72.3966, 21.6506 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

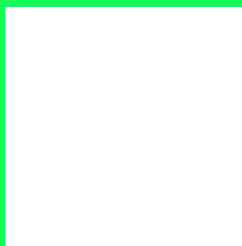
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.8740, 72.3966, 21.6506

Background



This preview shows how black text looks on a background with the XYZ color 37.8740, 72.3966, 21.6506.

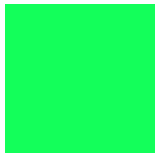


This preview shows how white text looks on a background with the XYZ color 37.8740, 72.3966,

Color Blindness Simulation

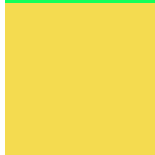
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

37.8740, 72.3966, 21.6506



Protanopia

64.0877, 70.4753, 17.8147



Deuteranopia

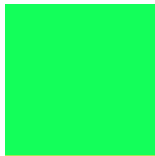
70.5333, 70.6469, 40.0557



Tritanopia

55.9419, 71.7103, 105.5008

Trichromacy



Original Color

37.8740, 72.3966, 21.6506



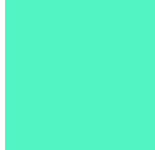
Protanomaly

45.3571, 66.0347, 18.7429



Deuteranomaly

48.1349, 65.5335, 31.2314



Tritanomaly

45.7683, 70.4805, 62.8216

Monochromacy



Original Color

37.8740, 72.3966, 21.6506



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.5916, 45.7339, 31.2072

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8740, 72.3966, 21.6506 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(19, 255, 90)` looks like.

```
.text, #text, p{  
    color:rgb(19, 255, 90)  
}
```

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(19, 255, 90) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(19, 255, 90) }
```

Border

The CSS property to change the border of an element to XYZ 37.8740, 72.3966, 21.6506 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(19, 255, 90) }
```


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

```
.border{ border-color:rgb(19, 255, 90) }
```

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

Here you see how a box with a 4 pixel `rgb(19, 255, 90)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(19, 255, 90); -webkit-box-  
shadow:4px 4px 4px 4px rgb(19, 255, 90);  
box-shadow:4px 4px 4px 4px rgb(19, 255,  
90) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8740, 72.3966, 21.6506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(19, 255, 90) }
```

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

```
.background{ background-color: rgb(19, 255,  
90) }
```

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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