

Converting Colors

XYZ(37.4393, 72.2184, 19.5565)

Have a look what the booklet for
XYZ(37.4393, 72.2184, 19.5565)
contains.

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Color

**XYZ(37.4391, 72.2184,
19.5557)**

Conversions

Conversions Part 1

Format	Color
Hex	11FF50
RGB	17, 255, 80
RGB Percent	7%, 100%, 31%
CMY	0.9333, 0.0000, 0.6863
CMYK	0.93, 0.00, 0.69, 0.00
HSL	136°, 100%, 53%
HSV	136°, 93%, 100%
XYZ	37.4391, 72.2184, 19.5557
YIQ	163.8880, -85.6730, -104.8810

Conversions

Conversions Part 2

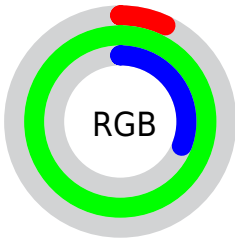
Format	Color
RYB	17, 205, 255
Decimal	1179472
CIELab	88.07, -82.07, 66.60
CIELCh	88, 105.692, 140.943
Yxy	72.2184, 0.2897, 0.5589
Android (android.graphics.Color)	4279369552 (0xFF11FF50)
YUV	163.8880, -41.3568, -128.8208
Hunter-Lab	84.9814, -70.0782, 45.8433

Details

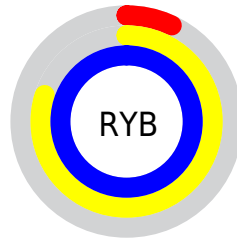
The XYZ color **37.4391, 72.2184, 19.5557** is a dark color, and the websafe version is hex **00FF66**. The color can be described as dark washed green. A complement of this color would be **50.9543, 25.4664, 52.0959**, and the grayscale version is **35.4532, 37.2995, 40.6192**.

A 20% lighter version of the original color is **48.0211, 77.3192, 36.0600**, and **19.7564, 39.4864, 6.6665** is the 20% darker color. If you saturate the color by 10%, you get **36.7884, 71.9313, 17.3353**, and if you desaturate by 10%, it is **38.9759, 72.9190, 23.7637**.

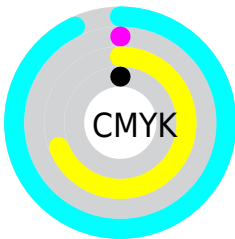
Distribution



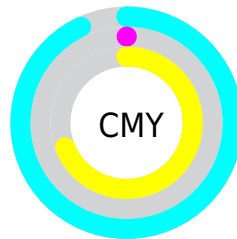
- Red (7%)
- Green (100%)
- Blue (31%)



- Red (7%)
- Yellow (80%)
- Blue (100%)



- Cyan (93%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)





- Cyan (93%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4391, 72.2184, 19.5557 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 37.4391, 72.2184, 19.5557 by changing the saturation by 10% instead.


 37.4391, 72.2184,
19.5557


 37.4391, 72.2184,
19.5557


326.5303,
468.3014, 262.0238

 25.7229, 53.3371,
11.8916


 70.5571, 122.3670,
43.5201


 16.7480, 38.0719,
6.5483


 92.6895, 154.4031,
60.6576


 10.1492, 26.0385,
3.1071


 119.0248,
191.5929, 81.7900

 5.5610, 16.8525,
1.1496

 149.9282,
234.3208, 107.3357

 2.6181, 10.1294,
0.0000

 185.7651,
282.9712, 137.7134

 0.9552, 5.4848,
0.0000

226.9008,

 0.0000, 2.5344,

337.9285, 173.3417

0.0000

273.7008,
399.5771, 214.6389

■ 0.0000, 0.8938,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4391, 72.2184,
19.5557

■ 37.4391, 72.2184,
19.5557


■ 36.7884, 71.9313,
17.3353


■ 38.9759, 72.9190,
23.7637


■ 41.3846, 74.0452,
29.0966


■ 44.7870, 75.6582,
35.6303

■ 49.2845, 77.8086,
43.4329

 54.9651, 80.5408,
52.5671

 61.9078, 83.8942,
63.0917

 70.1846, 87.9046,
75.0617

 79.8619, 92.6054,
88.5291

 91.0017, 98.0274,
103.5434

Harmonies

Analogous

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



52.7189, 72.2184, 7.1603



37.4391, 72.2184, 19.5557



31.0121, 72.2184, 58.7257

Triad

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



37.4391, 72.2184, 19.5557



61.2837, 72.2184, 311.1438



124.6556, 72.2184, 38.6902

Complementary

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



37.4391, 72.2184, 19.5557



50.9543, 25.4664, 52.0959

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.



128.5664, 72.2184, 102.5977



37.4391, 72.2184, 19.5557



87.4849, 72.2184, 292.8828

Square

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



37.4391, 72.2184, 19.5557



42.3846, 72.2184, 243.4061



113.6292, 72.2184, 202.6991



103.9749, 72.2184, 12.5627

Rectangle

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



37.4391, 72.2184, 19.5557



31.1757, 72.2184, 108.0700



113.6292, 72.2184, 202.6991



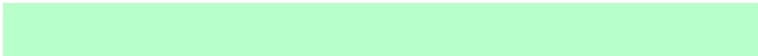
128.1455, 72.2184, 55.0958

Sweetspot

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



37.4394, 72.2184, 19.5569



66.1517, 85.9491, 69.2923



58.4963, 83.2293, 13.5121



13.4178, 18.0376, 13.7507



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.



37.4394, 72.2184, 19.5569



36.7884, 71.9313, 17.3353



45.8982, 75.6020, 64.1003



17.9690, 20.2471, 20.1396



19.2748, 37.6065, 9.3322



1.9195, 3.6787, 1.1342

Inverse Universe

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



50.9543, 25.4664, 52.0959



50.2626, 24.8691, 49.4425



42.7624, 22.1897, 8.9582



18.5753, 18.2134, 21.6467



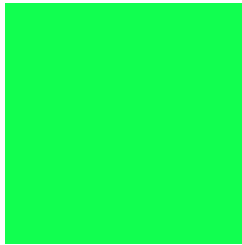
26.3283, 13.0206, 26.1771



2.6087, 1.2858, 2.7867

Previews

White Background



This preview shows how the XYZ color 37.4391, 72.2184, 19.5557 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 37.4391, 72.2184, 19.5557 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

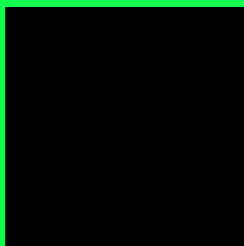
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.4391, 72.2184, 19.5557

Background



This preview shows how black text looks on a background with the XYZ color 37.4391, 72.2184, 19.5557.

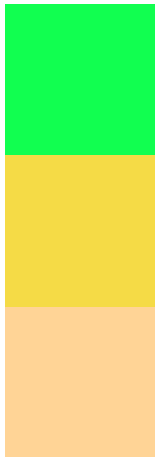


This preview shows how white text looks on a background with the XYZ color 37.4391, 72.2184,

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

37.4391, 72.2184, 19.5557

Protanopia

64.0932, 70.5177, 16.0276

Deuteranopia

70.2885, 70.5490, 38.7669



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

37.4391, 72.2184, 19.5557



Protanomaly

44.9929, 65.8890, 16.8250



Deuteranomaly

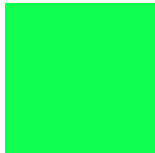
47.5935, 65.2923, 29.4963



Tritanomaly

45.1480, 70.2123, 60.4630

Monochromacy



Original Color

37.4391, 72.2184, 19.5557



Achromatopsia

35.2861, 37.1238, 40.4278



Achromatomaly

30.7554, 45.0055, 29.2562

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4391, 72.2184, 19.5557 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(17, 255, 80)` looks like.

```
.text, #text, p{  
    color:rgb(17, 255, 80)  
}
```

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(17, 255, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(17, 255, 80) }
```

Border

The CSS property to change the border of an element to XYZ 37.4391, 72.2184, 19.5557 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(17, 255, 80) }
```


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

```
.border{ border-color:rgb(17, 255, 80) }
```

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

Here you see how a box with a 4 pixel `rgb(17, 255, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(17, 255, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(17, 255, 80);  
box-shadow:4px 4px 4px 4px rgb(17, 255,  
80) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4391, 72.2184, 19.5557 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(17, 255, 80) }
```

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

```
.background{ background-color: rgb(17, 255,  
80) }
```

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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