

Converting Colors

XYZ(37.4064, 72.2221, 18.6245)

Have a look what the booklet for
XYZ(37.4064, 72.2221, 18.6245)
contains.

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Color

**XYZ(37.4067, 72.2222,
18.6254)**

Conversions

Conversions Part 1

Format	Color
Hex	18FF4B
RGB	24, 255, 75
RGB Percent	9%, 100%, 29%
CMY	0.9059, 0.0000, 0.7059
CMYK	0.91, 0.00, 0.71, 0.00
HSL	133°, 100%, 55%
HSV	133°, 91%, 100%
XYZ	37.4067, 72.2222, 18.6254
YIQ	165.4110, -79.8960, -104.9520

Conversions

Conversions Part 2

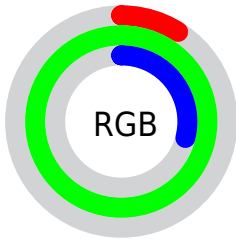
Format	Color
RYB	24, 213, 255
Decimal	1638219
CIELab	88.08, -82.19, 68.42
CIELCh	88, 106.937, 140.223
Yxy	72.2222, 0.2917, 0.5631
Android (android.graphics.Color)	4279828299 (0xFF18FF4B)
YUV	165.4110, -44.5726, -124.0174
Hunter-Lab	84.9836, -70.1522, 46.4943

Details

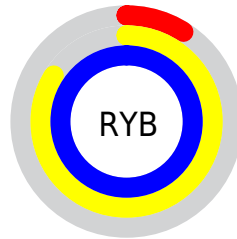
The XYZ color **37.4067, 72.2222, 18.6254** is a dark color, and the websafe version is hex **00FF33**. The color can be described as dark washed green. A complement of this color would be **52.4653, 26.2728, 59.4302**, and the grayscale version is **36.1975, 38.0826, 41.4719**.

A 20% lighter version of the original color is **48.0197, 77.3510, 34.5896**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4813, 71.8085, 15.7181**, and if you desaturate by 10%, it is **39.1109, 73.0095, 22.8279**.

Distribution



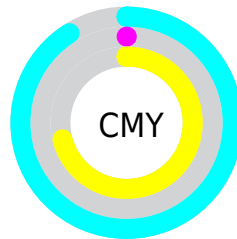
- Red (9%)
- Green (100%)
- Blue (29%)



- Red (9%)
- Yellow (84%)
- Blue (100%)



- Cyan (91%)
- Magenta (0%)
- Yellow (71%)
- Black (0%)




- Cyan (91%)
- Magenta (0%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.4067, 72.2222, 18.6254 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 37.4067, 72.2222, 18.6254 by changing the saturation by 10% instead.


 37.4067, 72.2222,
18.6254


 37.4067, 72.2222,
18.6254


326.3930,
468.3146, 256.7263


 25.6977, 53.3402,
11.2259


 70.5076, 122.3724,
41.9284


 16.7291, 38.0744,
6.1029


 92.6302, 154.4094,
58.6689


 10.1356, 26.0405,
2.8379


 118.9547,
191.6001, 79.3601

 5.5519, 16.8539,
1.0125

 149.8464,
234.3291, 104.4207

 2.6126, 10.1304,
0.0000

 185.6708,
282.9806, 134.2690

 0.9524, 5.4855,
0.0000

226.7931,

 0.0000, 2.5348,

337.9391, 169.3237

0.0000

273.5787,
399.5890, 210.0033

■ 0.0000, 0.8940,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.4067, 72.2222,
18.6254

■ 37.4067, 72.2222,
18.6254


■ 36.4813, 71.8085,
15.7181


■ 39.1109, 73.0095,
22.8279


■ 41.7418, 74.2479,
28.2744


■ 45.4175, 75.9965,
35.0551

■ 50.2378, 78.3051,
43.2507

 56.2906, 81.2174,
52.9357

 63.6549, 84.7726,
64.1790

 72.4030, 89.0066,
77.0453

 82.6018, 93.9528,
91.5957

94.3140, 99.6422,
107.8880

Harmonies

Analogous

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



53.0353, 72.2222, 6.7350



37.4067, 72.2222, 18.6254



30.7423, 72.2222, 57.0987

Triad

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



37.4067, 72.2222, 18.6254



60.6420, 72.2222, 314.4853



125.7812, 72.2222, 39.3623

Complementary

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



37.4067, 72.2222, 18.6254



52.4653, 26.2728, 59.4302

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.



129.2771, 72.2222, 105.0085



37.4067, 72.2222, 18.6254



87.0514, 72.2222, 298.0862

Square

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



37.4067, 72.2222, 18.6254



41.7838, 72.2222, 243.7323



113.7073, 72.2222, 207.2428



105.0866, 72.2222, 12.5199

Rectangle

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



37.4067, 72.2222, 18.6254



30.7812, 72.2222, 106.3232



113.7073, 72.2222, 207.2428



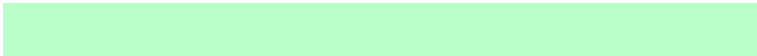
129.1758, 72.2222, 56.2309

Sweetspot

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



37.4070, 72.2223, 18.6266



66.6302, 86.2115, 68.6044



61.0881, 84.5581, 13.9660



13.6546, 18.1592, 13.7815



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.



37.4070, 72.2223, 18.6266



36.4813, 71.8085, 15.7181



45.3820, 75.4123, 60.6223



17.9357, 20.2338, 19.9646



19.1074, 37.5395, 8.4507



1.8991, 3.6706, 1.0266

Inverse Universe

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



52.4653, 26.2728, 59.4302



51.5136, 25.3694, 56.0298



43.3889, 22.6423, 11.6345



18.6109, 18.2277, 21.8340



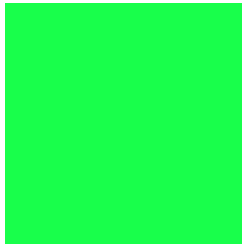
26.9754, 13.2794, 29.5845



2.6668, 1.3091, 3.0930

Previews

White Background



This preview shows how the XYZ color 37.4067, 72.2222, 18.6254 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 37.4067, 72.2222, 18.6254 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

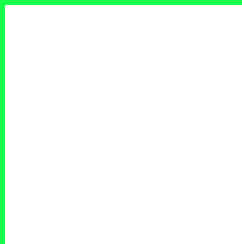
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 37.4067, 72.2222, 18.6254

Background



This preview shows how black text looks on a background with the XYZ color 37.4067, 72.2222, 18.6254.

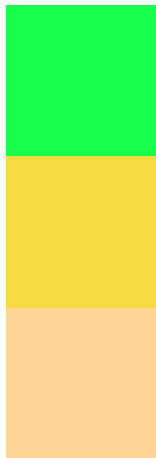


This preview shows how white text looks on a background with the XYZ color 37.4067, 72.2222,

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

37.4067, 72.2222, 18.6254

Protanopia

63.9711, 70.4689, 15.3845

Deuteranopia

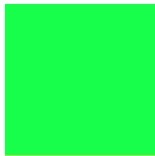
70.2885, 70.5490, 38.7669



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

37.4067, 72.2222, 18.6254



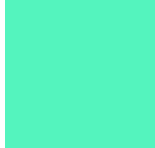
Protanomaly

45.4478, 66.1422, 16.0016



Deuteranomaly

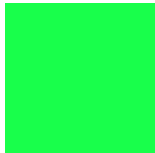
48.1131, 65.5748, 28.8603



Tritanomaly

45.3011, 70.3039, 59.8976

Monochromacy



Original Color

37.4067, 72.2222, 18.6254



Achromatopsia

35.7637, 37.6262, 40.9749



Achromatomaly

31.2984, 45.6315, 28.9880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.4067, 72.2222, 18.6254 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(24, 255, 75)` looks like.

```
.text, #text, p{  
    color:rgb(24, 255, 75)  
}
```

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(24, 255, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(24, 255, 75) }
```

Border

The CSS property to change the border of an element to XYZ 37.4067, 72.2222, 18.6254 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(24, 255, 75) }
```


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

```
.border{ border-color:rgb(24, 255, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(24, 255, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(24, 255, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(24, 255, 75);  
box-shadow:4px 4px 4px 4px rgb(24, 255,  
75) }
```

Background

The CSS property to change the background color of an element to XYZ 37.4067, 72.2222, 18.6254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(24, 255, 75) }
```

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

```
.background{ background-color: rgb(24, 255,  
75) }
```

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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