

Converting Colors

XYZ(37.8449, 72.4992, 16.2699)

Have a look what the booklet for
XYZ(37.8449, 72.4992, 16.2699)
contains.

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Color

**XYZ(37.8422, 72.4992,
16.2742)**

Conversions

Conversions Part 1

Format	Color
Hex	31FF3C
RGB	49, 255, 60
RGB Percent	19%, 100%, 24%
CMY	0.8078, 0.0000, 0.7647
CMYK	0.81, 0.00, 0.76, 0.00
HSL	123°, 100%, 60%
HSV	123°, 81%, 100%
XYZ	37.8422, 72.4992, 16.2742
YIQ	171.1760, -60.1810, -104.3170

Conversions

Conversions Part 2

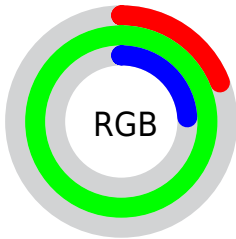
Format	Color
RYB	49, 245, 255
Decimal	3276604
CIELab	88.21, -81.34, 73.53
CIELCh	88, 109.650, 137.888
Yxy	72.4992, 0.2989, 0.5726
Android (android.graphics.Color)	4281466684 (0xFF31FF3C)
YUV	171.1760, -54.8098, -107.1484
Hunter-Lab	85.1465, -69.6744, 48.2703

Details

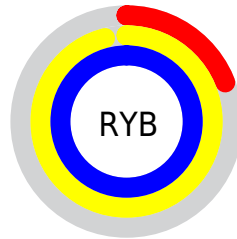
The XYZ color **37.8422, 72.4992, 16.2742** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.6662, 29.9878, 88.2777**, and the grayscale version is **39.0863, 41.1218, 44.7816**.

A 20% lighter version of the original color is **48.6659, 77.7816, 30.2177**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4414, 71.8347, 13.6036**, and if you desaturate by 10%, it is **40.2286, 73.6381, 20.5107**.

Distribution



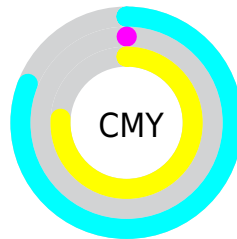
- Red (19%)
- Green (100%)
- Blue (24%)



- Red (19%)
- Yellow (96%)
- Blue (100%)



- Cyan (81%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8422, 72.4992, 16.2742 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 37.8422, 72.4992, 16.2742 by changing the saturation by 10% instead.


 37.8422, 72.4992,
16.2742


 37.8422, 72.4992,
16.2742


328.2351,
469.2773, 242.8550

 26.0369, 53.5666,
9.5619


 71.1717, 122.7660,
37.8470

 16.9841, 38.2552,
5.0077


 93.4265, 154.8689,
53.5446


 10.3184, 26.1809,
2.1930


 119.8953,
192.1308, 73.0743

 5.6744, 16.9590,
0.6703

 150.9433,
234.9359, 96.8549

 2.6869, 10.2053,
0.0000

 186.9360,
283.6688, 125.3046

 0.9904, 5.5353,
0.0000

228.2386,

 0.0000, 2.5646,

338.7137, 158.8422

0.0000

275.2165,
400.4550, 197.8862

0.0000, 0.9089,
0.0000

0.0000, 0.0000,
0.0000

37.8422, 72.4992,
16.2742

37.8422, 72.4992,
16.2742

36.4414, 71.8347,
13.6036


40.2286, 73.6381,
20.5107


35.8368, 71.5507,
12.3242


43.7374, 75.3181,
26.4990


48.4843, 77.5952,
34.4028


54.5706, 80.5185,
44.3660

 62.0870, 84.1322,
56.5189

 71.1163, 88.4762,
70.9809

 81.7351, 93.5878,
87.8628

 94.0147, 99.5013,
107.2684

 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



54.5412, 72.4992, 5.8156



37.8422, 72.4992, 16.2742



30.4069, 72.4992, 52.3308

Triad

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



37.8422, 72.4992, 16.2742



58.8524, 72.4992, 321.3404



128.9547, 72.4992, 42.3490

Complementary

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



37.8422, 72.4992, 16.2742



58.6662, 29.9878, 88.2777

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.



130.9634, 72.4992, 113.3148



37.8422, 72.4992, 16.2742



85.5998, 72.4992, 311.8275

Square

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



37.8422, 72.4992, 16.2742



40.3048, 72.4992, 242.0187



113.5333, 72.4992, 220.9324



108.5915, 72.4992, 12.9389

Rectangle

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



37.8422, 72.4992, 16.2742



30.0340, 72.4992, 100.4802



113.5333, 72.4992, 220.9324



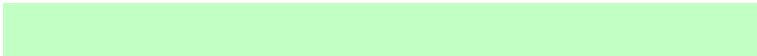
131.9572, 72.4992, 60.7205

Sweetspot

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



37.8424, 72.4993, 16.2753



68.0429, 86.9973, 66.0715



73.8660, 91.1003, 16.5967



13.8756, 18.2898, 13.0393



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.



37.8424, 72.4993, 16.2753



35.9899, 71.6230, 12.6308



43.5749, 74.7923, 46.4621



17.8109, 20.1839, 19.3072



18.7414, 37.3931, 6.5233



1.8380, 3.6461, 0.7047

Inverse Universe

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



58.6662, 29.9878, 88.2777



57.3174, 27.8238, 86.1827



47.1983, 25.4006, 27.8884



18.7483, 18.2826, 22.5575



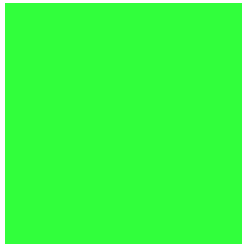
29.8924, 14.4462, 44.9452



2.9229, 1.4115, 4.4411

Previews

White Background



This preview shows how the XYZ color 37.8422, 72.4992, 16.2742 looks on a white background.

Color Contrast Check

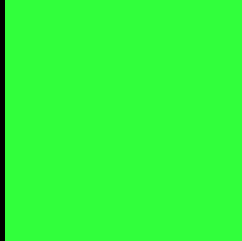
Large Text (above 18pt) WCAG AA × Fail

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 37.8422, 72.4992, 16.2742 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

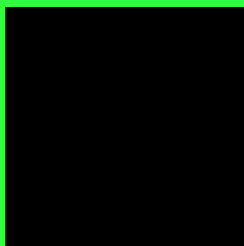
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8422, 72.4992, 16.2742

Background



This preview shows how black text looks on a background with the XYZ color 37.8422, 72.4992, 16.2742.

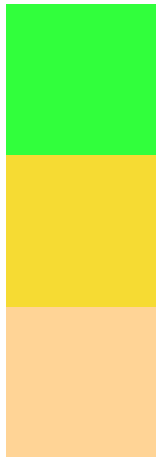


This preview shows how white text looks on a background with the XYZ color 37.8422, 72.4992,

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

37.8422, 72.4992, 16.2742

Protanopia

63.9351, 70.4949, 13.3691

Deuteranopia

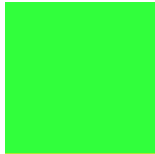
70.2885, 70.5490, 38.7669



Tritanopia

56.5026, 71.9993, 105.5270

Trichromacy



Original Color

37.8422, 72.4992, 16.2742



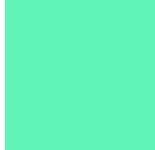
Protanomaly

46.9780, 66.9782, 13.9421



Deuteranomaly

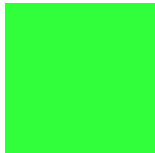
49.7767, 66.4745, 27.0370



Tritanomaly

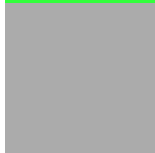
45.8263, 70.6489, 56.5687

Monochromacy



Original Color

37.8422, 72.4992, 16.2742



Achromatopsia

38.7082, 40.7240, 44.3485



Achromatomaly

33.9697, 48.3918, 29.0229

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8422, 72.4992, 16.2742 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(49, 255, 60)` looks like.

```
.text, #text, p{  
    color:rgb(49, 255, 60)  
}
```

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(49, 255, 60) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 255, 60) }
```

Border

The CSS property to change the border of an element to XYZ 37.8422, 72.4992, 16.2742 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(49, 255, 60) }
```


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

```
.border{ border-color:rgb(49, 255, 60) }
```

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

Here you see how a box with a 4 pixel `rgb(49, 255, 60)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 255, 60); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 255, 60);  
box-shadow:4px 4px 4px 4px rgb(49, 255,  
60) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8422, 72.4992, 16.2742 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 255, 60) }
```

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

```
.background{ background-color: rgb(49, 255,  
60) }
```

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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