

Converting Colors

XYZ(37.3902, 72.2915, 15.1075)

Have a look what the booklet for
XYZ(37.3902, 72.2915, 15.1075)
contains.

XYZ(37.3962, 72.2945, 15.1152)	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(37.3962, 72.2945,
15.1152)**

Conversions

Conversions Part 1

Format	Color
Hex	2CFF33
RGB	44, 255, 51
RGB Percent	17%, 100%, 20%
CMY	0.8275, 0.0000, 0.8000
CMYK	0.83, 0.00, 0.80, 0.00
HSL	122°, 100%, 59%
HSV	122°, 83%, 100%
XYZ	37.3962, 72.2945, 15.1152
YIQ	168.6550, -60.2720, -108.1760

Conversions

Conversions Part 2

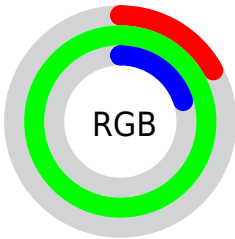
Format	Color
RYB	44, 248, 255
Decimal	2948915
CIELab	88.11, -82.37, 75.94
CIELCh	88, 112.036, 137.325
Yxy	72.2945, 0.2996, 0.5793
Android (android.graphics.Color)	4281138995 (0xFF2CFF33)
YUV	168.6550, -58.0039, -109.3224
Hunter-Lab	85.0262, -70.2880, 48.9783

Details

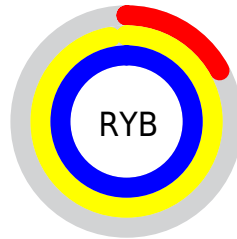
The XYZ color **37.3962, 72.2945, 15.1152** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **59.0823, 29.8379, 91.4436**, and the grayscale version is **37.8407, 39.8113, 43.3545**.

A 20% lighter version of the original color is **48.0032, 77.4807, 28.3448**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.2094, 71.7296, 12.9351**, and if you desaturate by 10%, it is **39.5426, 73.3207, 18.8443**.

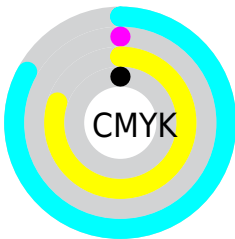
Distribution



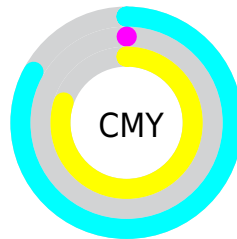
- Red (17%)
- Green (100%)
- Blue (20%)



- Red (17%)
- Yellow (97%)
- Blue (100%)



- Cyan (83%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (83%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.3962, 72.2945, 15.1152 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 37.3962, 72.2945, 15.1152 by changing the saturation by 10% instead.


 37.3962, 72.2945,
15.1152


 37.3962, 72.2945,
15.1152


326.3485,
468.5660, 235.7272


 25.6895, 53.3993,
8.7528


 70.4916, 122.4751,
35.8003

 16.7229, 38.1216,
4.4857


 92.6110, 154.5294,
50.9600


 10.1312, 26.0771,
1.8954


 118.9320,
191.7387, 69.8893

 5.5490, 16.8813,
0.4898

 149.8200,
234.4875, 93.0066

 2.6109, 10.1499,
0.0000

 185.6402,
283.1603, 120.7305

 0.9515, 5.4985,
0.0000

226.7582,

 0.0000, 2.5426,

338.1414, 153.4796

0.0000

273.5392,
399.8151, 191.6723

■ 0.0000, 0.8979,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.3962, 72.2945,
15.1152

■ 37.3962, 72.2945,
15.1152

■ 36.2094, 71.7296,
12.9351

■ 39.5426, 73.3207,
18.8443

■ 35.8064, 71.5386,
12.1644

■ 42.7947, 74.8791,
24.3343

■ 47.2747, 77.0287,
31.7677

■ 53.0884, 79.8207,
41.3031

■ 60.3302, 83.3007,
53.0832

■ 69.0859, 87.5103,
67.2378

■ 79.4348, 92.4875,
83.8871

■ 91.4503, 98.2680,
103.1431

■ 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.



54.4992, 72.2945, 5.1967



37.3962, 72.2945, 15.1152



29.7397, 72.2945, 50.6016

Triad

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



37.3962, 72.2945, 15.1152



58.0282, 72.2945, 327.8596



130.4844, 72.2945, 42.4771

Complementary

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



37.3962, 72.2945, 15.1152



59.0823, 29.8379, 91.4436

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.



132.1485, 72.2945, 115.6901



37.3962, 72.2945, 15.1152



85.2071, 72.2945, 319.9133

Square

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



37.3962, 72.2945, 15.1152



39.3988, 72.2945, 244.4143



113.9218, 72.2945, 226.8572



109.8362, 72.2945, 12.4721

Rectangle

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



37.3962, 72.2945, 15.1152



29.2649, 72.2945, 99.0429



113.9218, 72.2945, 226.8572



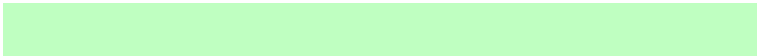
133.4429, 72.2945, 61.3806

Sweetspot

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



37.3964, 72.2946, 15.1163



66.9756, 86.4955, 63.8330



76.1726, 92.3010, 16.1839



13.6657, 18.1915, 12.5806



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.



37.3964, 72.2946, 15.1163



35.8520, 71.5605, 12.2377



42.5498, 74.3559, 42.2535



17.7960, 20.1779, 19.2289



18.7202, 37.3847, 6.4118



1.8309, 3.6433, 0.6676

Inverse Universe

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



59.0823, 29.8379, 91.4436



57.9964, 28.0068, 90.0313



47.3276, 25.1361, 29.5444



18.7651, 18.2893, 22.6459



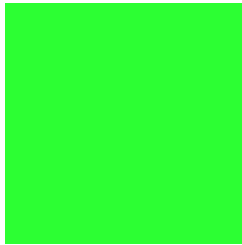
30.2947, 14.6072, 47.0639



2.9576, 1.4254, 4.6239

Previews

White Background



This preview shows how the XYZ color 37.3962, 72.2945, 15.1152 looks on a white background.

Color Contrast Check

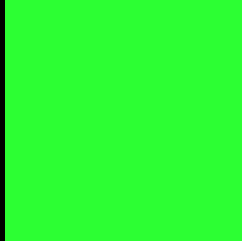
Large Text (above 18pt) WCAG AA × Fail

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 37.3962, 72.2945, 15.1152 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

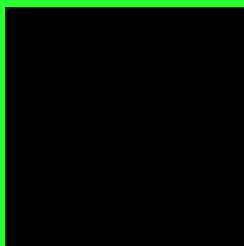
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.3962, 72.2945, 15.1152

Background



This preview shows how black text looks on a background with the XYZ color 37.3962, 72.2945, 15.1152.

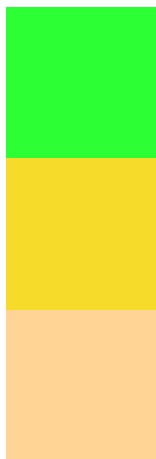


This preview shows how white text looks on a background with the XYZ color 37.3962, 72.2945,

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

37.3962, 72.2945, 15.1152

Protanopia

63.7555, 70.4230, 12.4232

Deuteranopia

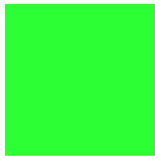
70.1288, 70.4851, 37.9258



Tritanopia

56.2193, 71.8533, 105.5137

Trichromacy



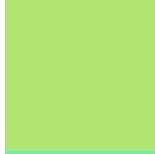
Original Color

37.3962, 72.2945, 15.1152



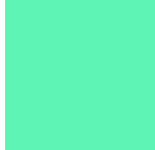
Protanomaly

46.5638, 66.7869, 12.9196



Deuteranomaly

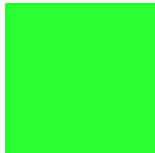
49.0841, 66.1440, 25.8029



Tritanomaly

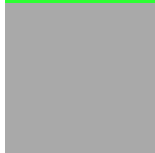
45.2054, 70.3647, 54.9152

Monochromacy



Original Color

37.3962, 72.2945, 15.1152



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.7324, 47.1000, 27.1047

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3962, 72.2945, 15.1152 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(44, 255, 51)` looks like.

```
.text, #text, p{  
  color:rgb(44, 255, 51)  
}
```

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(44, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 37.3962, 72.2945, 15.1152 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(44, 255, 51) }
```


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

```
.border{ border-color:rgb(44, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(44, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(44, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3962, 72.2945, 15.1152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 255, 51) }
```

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

```
.background{ background-color: rgb(44, 255,  
51) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor