

Converting Colors

XYZ(37.2728, 72.2298, 15.1550)

Have a look what the booklet for
XYZ(37.2728, 72.2298, 15.1550)
contains.

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Color

**XYZ(37.2720, 72.2304,
15.1094)**

Conversions

Conversions Part 1

Format	Color
Hex	29FF33
RGB	41, 255, 51
RGB Percent	16%, 100%, 20%
CMY	0.8392, 0.0000, 0.8000
CMYK	0.84, 0.00, 0.80, 0.00
HSL	123°, 100%, 58%
HSV	123°, 84%, 100%
XYZ	37.2720, 72.2304, 15.1094
YIQ	167.7580, -62.0600, -108.8120

Conversions

Conversions Part 2

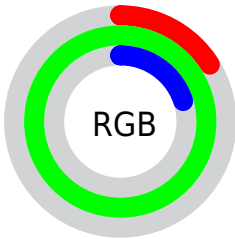
Format	Color
RYB	41, 245, 255
Decimal	2752307
CIELab	88.08, -82.64, 75.90
CIELCh	88, 112.210, 137.434
Yxy	72.2304, 0.2991, 0.5796
Android (android.graphics.Color)	4280942387 (0xFF29FF33)
YUV	167.7580, -57.5617, -111.1668
Hunter-Lab	84.9885, -70.4480, 48.9512

Details

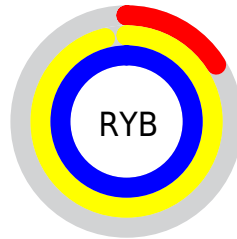
The XYZ color **37.2720, 72.2304, 15.1094** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.5131, 29.4380, 88.9775**, and the grayscale version is **37.3966, 39.3442, 42.8458**.

A 20% lighter version of the original color is **47.8505, 77.4020, 28.3377**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1597, 71.7036, 12.9533**, and if you desaturate by 10%, it is **39.3216, 73.2081, 18.7718**.

Distribution



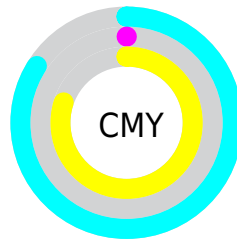
- Red (16%)
- Green (100%)
- Blue (20%)



- Red (16%)
- Yellow (96%)
- Blue (100%)



- Cyan (84%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (84%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2720, 72.2304, 15.1094 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 37.2720, 72.2304, 15.1094 by changing the saturation by 10% instead.


 37.2720, 72.2304,
15.1094


 37.2720, 72.2304,
15.1094


325.8218,
468.3431, 235.6910


 25.5928, 53.3469,
8.7487


 70.3020, 122.3840,
35.7900

 16.6503, 38.0798,
4.4831


 92.3836, 154.4230,
50.9470


 10.0793, 26.0446,
1.8939


 118.6633,
191.6159, 69.8732

 5.5142, 16.8570,
0.4889

 149.5065,
234.3471, 92.9871

 2.5898, 10.1326,
0.0000

 185.2786,
283.0010, 120.7073

 0.9408, 5.4870,
0.0000

226.3450,

 0.0000, 2.5357,

337.9621, 153.4524

0.0000

273.0709,
399.6147, 191.6407

■ 0.0000, 0.8945,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2720, 72.2304,
15.1094

■ 37.2720, 72.2304,
15.1094

■ 36.1597, 71.7036,
12.9533


■ 39.3216, 73.2081,
18.7718


■ 35.8259, 71.5464,
12.2671


■ 42.4559, 74.7082,
24.1440


■ 46.7975, 76.7903,
31.4018

■ 52.4522, 79.5055,
40.6980

 59.5145, 82.8996,
52.1701

 68.0698, 87.0141,
65.9435

 78.1972, 91.8870,
82.1341

 89.9698, 97.5540,
100.8500

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.



54.3461, 72.2304, 5.1634



37.2720, 72.2304, 15.1094



29.6480, 72.2304, 50.7174

Triad

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



37.2720, 72.2304, 15.1094



58.0440, 72.2304, 328.4177



130.4630, 72.2304, 42.2076

Complementary

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



37.2720, 72.2304, 15.1094



58.5131, 29.4380, 88.9775

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.



132.2083, 72.2304, 115.3092



37.2720, 72.2304, 15.1094



85.2729, 72.2304, 320.0780

Square

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



37.2720, 72.2304, 15.1094



39.3694, 72.2304, 245.0317



114.0124, 72.2304, 226.6098



109.7279, 72.2304, 12.3468

Rectangle

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



37.2720, 72.2304, 15.1094



29.1927, 72.2304, 99.3221



114.0124, 72.2304, 226.6098



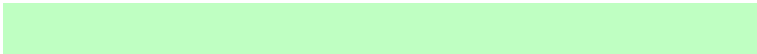
133.4519, 72.2304, 61.0601

Sweetspot

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



37.2723, 72.2305, 15.1106



67.0724, 86.5343, 64.3431



74.8244, 91.6122, 15.8372



13.6880, 18.2005, 12.6979



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.



37.2723, 72.2305, 15.1106



35.8259, 71.5464, 12.2671



42.6022, 74.3625, 43.1774



17.8060, 20.1819, 19.2814



18.7344, 37.3903, 6.4865



1.8357, 3.6452, 0.6925

Inverse Universe

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



58.5131, 29.4380, 88.9775



57.4288, 27.7355, 87.1792



46.8308, 24.7651, 27.4595



18.7538, 18.2848, 22.5867



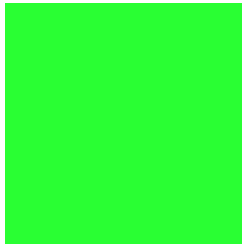
30.0239, 14.4989, 45.6378



2.9342, 1.4161, 4.5009

Previews

White Background



This preview shows how the XYZ color 37.2720, 72.2304, 15.1094 looks on a white background.

Color Contrast Check

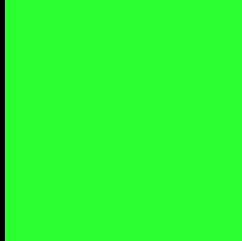
Large Text (above 18pt) WCAG AA × Fail

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 37.2720, 72.2304, 15.1094 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

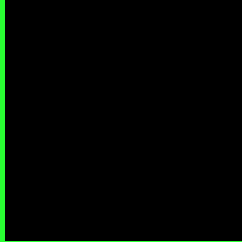
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2720, 72.2304, 15.1094

Background



This preview shows how black text looks on a background with the XYZ color 37.2720, 72.2304, 15.1094.



This preview shows how white text looks on a background with the XYZ color 37.2720, 72.2304,

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

37.2720, 72.2304, 15.1094

Protanopia

63.7555, 70.4230, 12.4232

Deuteranopia

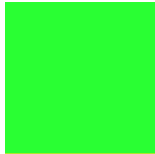
70.1288, 70.4851, 37.9258



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

37.2720, 72.2304, 15.1094



Protanomaly

46.1249, 66.5606, 12.8991



Deuteranomaly

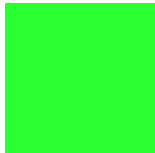
48.8555, 66.0262, 25.7922



Tritanomaly

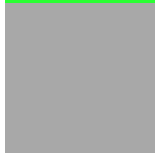
45.0056, 70.2617, 54.9059

Monochromacy



Original Color

37.2720, 72.2304, 15.1094



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.3820, 46.9268, 26.7531

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2720, 72.2304, 15.1094 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(41, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(41, 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(41, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(41, 255, 51) }
```

Border

The CSS property to change the border of an element to XYZ 37.2720, 72.2304, 15.1094 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(41, 255, 51) }
```


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

```
.border{ border-color:rgb(41, 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(41, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(41, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(41, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(41, 255,  
51) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2720, 72.2304, 15.1094 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(41, 255, 51) }
```

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

```
.background{ background-color: rgb(41, 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](#).

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