

Converting Colors

XYZ(37.2609, 72.2631, 13.3766)

Have a look what the booklet for
XYZ(37.2609, 72.2631, 13.3766)
contains.

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Color

**XYZ(37.2396, 72.2527,
13.3499)**

Conversions

Conversions Part 1

Format	Color
Hex	30FF20
RGB	48, 255, 32
RGB Percent	19%, 100%, 13%
CMY	0.8118, 0.0000, 0.8744
CMYK	0.81, 0.00, 0.87, 0.00
HSL	116°, 100%, 56%
HSV	116°, 87%, 100%
XYZ	37.2396, 72.2527, 13.3499
YIQ	167.6850, -51.7890, -113.2370

Conversions

Conversions Part 2

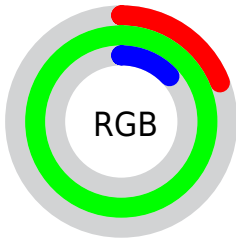
Format	Color
R _Y B	32, 255, 239
Decimal	3211040
CIE Lab	88.09, -82.80, 80.11
CIE LCh	88, 115.205, 135.945
Yxy	72.2527, 0.3031, 0.5882
Android (android.graphics.Color)	4281401120 (0xFF30FF20)
YUV	167.6850, -66.8927, -104.9637
Hunter-Lab	85.0016, -70.5511, 50.1893

Details

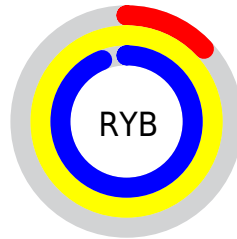
The XYZ color **37.2396, 72.2527, 13.3499** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark washed green. A complement of this color would be **54.1691, 26.6075, 96.8885**, and the grayscale version is **37.4014, 39.3492, 42.8513**.

A 20% lighter version of the original color is **47.7239, 77.4048, 25.2573**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.1802, 71.7325, 12.1260**, and if you desaturate by 10%, it is **39.1595, 73.1857, 16.0010**.

Distribution



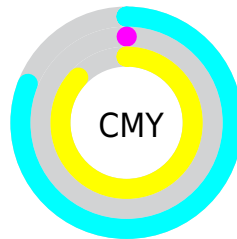
- Red (19%)
- Green (100%)
- Blue (13%)



- Red (13%)
- Yellow (100%)
- Blue (94%)



- Cyan (81%)
- Magenta (0%)
- Yellow (87%)
- Black (0%)





- Cyan (81%)
- Magenta (0%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.2396, 72.2527, 13.3499 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 37.2396, 72.2527, 13.3499 by changing the saturation by 10% instead.


 37.2396, 72.2527,
13.3499


 37.2396, 72.2527,
13.3499


325.6842,
468.4207, 224.4341


 25.5676, 53.3651,
7.5364


 70.2526, 122.4157,
32.6313

 16.6314, 38.0943,
3.7163


 92.3243, 154.4600,
46.9363


 10.0657, 26.0559,
1.4710


 118.5932,
191.6586, 64.9089

 5.5052, 16.8655,
0.1962

 149.4247,
234.3959, 86.9676

 2.5844, 10.1386,
0.0000

 185.1843,
283.0564, 113.5309

 0.9380, 5.4910,
0.0000

226.2371,

 0.0000, 2.5381,

338.0245, 145.0174

0.0000

272.9487,
399.6844, 181.8456

■ 0.0000, 0.8957,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.2396, 72.2527,
13.3499

■ 37.2396, 72.2527,
13.3499

■ 36.1802, 71.7325,
12.1260


■ 39.1595, 73.1857,
16.0010


■ 36.0147, 71.6513,
11.9319


■ 42.0770, 74.5961,
20.3675


■ 46.1041, 76.5367,
26.6747

■ 51.3378, 79.0534,
35.1129

 57.8642, 82.1870,
45.8498

 65.7617, 85.9747,
59.0362

 75.1024, 90.4505,
74.8103

 85.9533, 95.6464,
93.2999

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.



55.1422, 72.2527, 4.4117



37.2396, 72.2527, 13.3499



29.0777, 72.2527, 47.3156

Triad

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



37.2396, 72.2527, 13.3499



56.6114, 72.2527, 336.1583



133.1319, 72.2527, 43.9583

Complementary

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



37.2396, 72.2527, 13.3499



54.1691, 26.6075, 96.8885

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.



133.8354, 72.2527, 121.4979



37.2396, 72.2527, 13.3499



84.2561, 72.2527, 332.7633

Square

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



37.2396, 72.2527, 13.3499



38.0663, 72.2527, 245.5108



114.1402, 72.2527, 238.0403



112.4174, 72.2527, 12.2956

Rectangle

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



37.2396, 72.2527, 13.3499



28.3513, 72.2527, 95.4298



114.1402, 72.2527, 238.0403



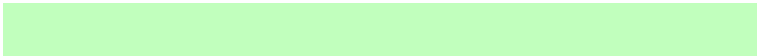
135.8726, 72.2527, 63.9988

Sweetspot

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



37.2398, 72.2527, 13.3510



67.0206, 86.5781, 61.1524



71.6169, 81.5962, 13.3426



13.7100, 18.2268, 12.0226



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.



37.2398, 72.2527, 13.3510



36.0147, 71.6513, 11.9319



40.0531, 73.3061, 31.4156



17.8921, 20.2303, 19.1062



18.8620, 37.4618, 6.2367



1.8765, 3.6681, 0.6091

Inverse Universe

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



54.1691, 26.6075, 96.8885



52.8822, 25.1767, 96.6801



48.2865, 24.9057, 36.4865



18.6566, 18.2302, 22.7854



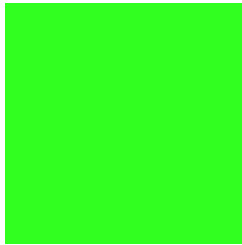
27.6865, 13.1834, 50.5200



2.7327, 1.3027, 4.9207

Previews

White Background



This preview shows how the XYZ color 37.2396, 72.2527, 13.3499 looks on a white background.

Color Contrast Check

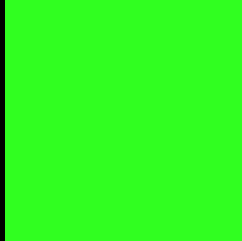
Large Text (above 18pt) WCAG AA × Fail

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 37.2396, 72.2527, 13.3499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

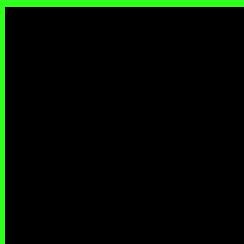
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.2396, 72.2527, 13.3499

Background



This preview shows how black text looks on a background with the XYZ color 37.2396, 72.2527, 13.3499.



This preview shows how white text looks on a background with the XYZ color 37.2396, 72.2527,

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

37.2396, 72.2527, 13.3499

Protanopia

63.8068, 70.4842, 10.8579

Deuteranopia

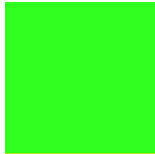
70.0499, 70.4536, 37.5106



Tritanopia

55.9306, 71.2759, 105.4175

Trichromacy



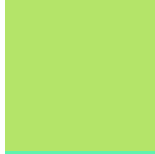
Original Color

37.2396, 72.2527, 13.3499



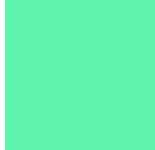
Protanomaly

46.7007, 66.8931, 11.3144



Deuteranomaly

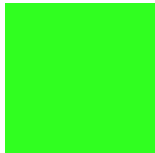
49.1156, 66.2100, 23.5557



Tritanomaly

44.3067, 69.5369, 51.1312

Monochromacy



Original Color

37.2396, 72.2527, 13.3499



Achromatopsia

37.2190, 39.1572, 42.6422



Achromatomaly

32.2962, 46.9255, 24.8081

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.2396, 72.2527, 13.3499 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(48, 255, 32)` looks like.

```
.text, #text, p{  
    color:rgb(48, 255, 32)  
}
```

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(48, 255, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(48, 255, 32) }
```

Border

The CSS property to change the border of an element to XYZ 37.2396, 72.2527, 13.3499 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(48, 255, 32) }
```


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

```
.border{ border-color:rgb(48, 255, 32) }
```

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

Here you see how a box with a 4 pixel rgb(48, 255, 32) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(48, 255, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(48, 255, 32);  
box-shadow:4px 4px 4px 4px rgb(48, 255,  
32) }
```

Background

The CSS property to change the background color of an element to XYZ 37.2396, 72.2527, 13.3499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(48, 255, 32) }
```

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

```
.background{ background-color: rgb(48, 255,  
32) }
```

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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