

Converting Colors

XYZ(37.1621, 72.2337, 12.3995)

Have a look what the booklet for
XYZ(37.1621, 72.2337, 12.3995)
contains.

XYZ(37.1547, 72.2298, 12.3990)	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>	30

Color

**XYZ(37.1547, 72.2298,
12.3990)**

Conversions

Conversions Part 1

Format	Color
Hex	32FF0E
RGB	50, 255, 14
RGB Percent	20%, 100%, 5%
CMY	0.8039, 0.0000, 0.9450
CMYK	0.80, 0.00, 0.94, 0.00
HSL	111°, 100%, 53%
HSV	111°, 94%, 100%
XYZ	37.1547, 72.2298, 12.3990
YIQ	166.2310, -44.8190, -118.4110

Conversions

Conversions Part 2

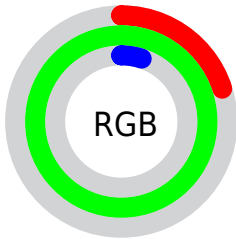
Format	Color
R _Y B	14, 255, 219
Decimal	3342094
CIE Lab	88.08, -83.03, 82.51
CIE LCh	88, 117.050, 135.180
Yxy	72.2298, 0.3051, 0.5931
Android (android.graphics.Color)	4281532174 (0xFF32FF0E)
YUV	166.2310, -75.0499, -101.9346
Hunter-Lab	84.9881, -70.6934, 50.8418

Details

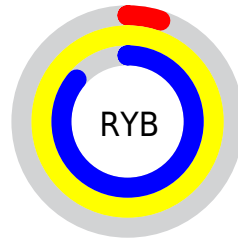
The XYZ color **37.1547, 72.2298, 12.3990** is a dark color, and the websafe version is hex **33FF00**. The color can be described as dark saturated green. A complement of this color would be **47.4305, 22.6000, 96.4701**, and the grayscale version is **36.7272, 38.6398, 42.0788**.

A 20% lighter version of the original color is **47.7028, 77.4329, 23.4982**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.5616, 71.9333, 11.9575**, and if you desaturate by 10%, it is **38.7849, 73.0361, 14.0193**.

Distribution



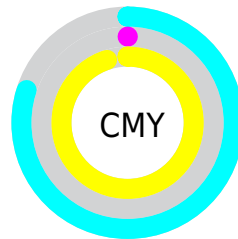
- Red (20%)
- Green (100%)
- Blue (5%)



- Red (5%)
- Yellow (100%)
- Blue (86%)



- Cyan (80%)
- Magenta (0%)
- Yellow (94%)
- Black (0%)




- Cyan (80%)
- Magenta (0%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.1547, 72.2298, 12.3990 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 37.1547, 72.2298, 12.3990 by changing the saturation by 10% instead.


 37.1547, 72.2298,
12.3990


 37.1547, 72.2298,
12.3990


325.3237,
468.3411, 218.1000


 25.5015, 53.3464,
6.8902


 70.1229, 122.3832,
30.8949

 16.5818, 38.0794,
3.3161


 92.1687, 154.4220,
44.7192


 10.0302, 26.0443,
1.2582


 118.4094,
191.6147, 62.1523

 5.4814, 16.8568,
0.0272

 149.2103,
234.3458, 83.6128

 2.5700, 10.1324,
0.0000

 184.9368,
282.9995, 109.5193

 0.9307, 5.4869,
0.0000

 225.9544,

 0.0000, 2.5357,

337.9604, 140.2903

0.0000

272.6282,
399.6128, 176.3444

■ 0.0000, 0.8944,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.1547, 72.2298,
12.3990

■ 37.1547, 72.2298,
12.3990

■ 36.5616, 71.9333,
11.9575

■ 38.7849, 73.0361,
14.0193

■ 41.2687, 74.2495,
17.1625

■ 44.7093, 75.9177,
22.0894

■ 49.1941, 78.0812,
29.0114

■ 54.8006, 80.7758,
38.1107

■ 61.5985, 84.0342,
49.5488

■ 69.6521, 87.8861,
63.4719

■ 79.0206, 92.3593,
80.0145

■ 89.7598, 97.4798,
99.3012

Harmonies

Analogous

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



55.5207, 72.2298, 3.9992



37.1547, 72.2298, 12.3990



28.7048, 72.2298, 45.4839

Triad

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



37.1547, 72.2298, 12.3990



55.8042, 72.2298, 340.9604



134.6692, 72.2298, 44.8387

Complementary

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



37.1547, 72.2298, 12.3990



47.4305, 22.6000, 96.4701

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.



134.8062, 72.2298, 124.9435



37.1547, 72.2298, 12.3990



83.7065, 72.2298, 340.2955

Square

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



37.1547, 72.2298, 12.3990



37.3134, 72.2298, 246.1063



114.2584, 72.2298, 244.6467



113.9235, 72.2298, 12.2006

Rectangle

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



37.1547, 72.2298, 12.3990



27.8369, 72.2298, 93.3748



114.2584, 72.2298, 244.6467



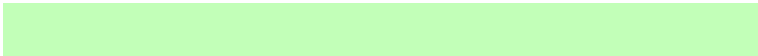
137.2801, 72.2298, 65.5536

Sweetspot

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



37.1549, 72.2299, 12.4001



66.6842, 86.4674, 58.3031



66.6132, 71.8792, 10.7798



13.5373, 18.1556, 11.2092



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.



37.1549, 72.2299, 12.4001



36.5616, 71.9333, 11.9575



38.1638, 72.5025, 23.6304



18.0238, 20.2982, 19.1123



19.1794, 37.6254, 6.2516



1.9384, 3.7001, 0.6120

Inverse Universe

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



47.4305, 22.6000, 96.4701



46.6466, 21.9621, 96.3883



48.7159, 24.5023, 40.5209



18.5106, 18.1549, 22.7786



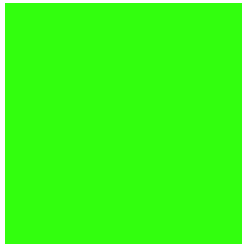
24.4750, 11.5278, 50.3697



2.4522, 1.1581, 4.9076

Previews

White Background



This preview shows how the XYZ color 37.1547, 72.2298, 12.3990 looks on a white background.

Color Contrast Check

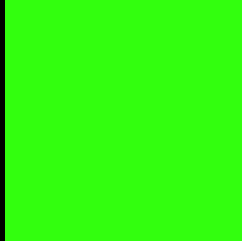
Large Text (above 18pt) WCAG AA × Fail

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 37.1547, 72.2298, 12.3990 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 37.1547, 72.2298, 12.3990

Background



This preview shows how black text looks on a background with the XYZ color 37.1547, 72.2298, 12.3990.

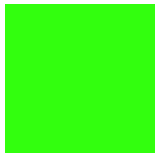


This preview shows how white text looks on a background with the XYZ color 37.1547, 72.2298,

Color Blindness Simulation

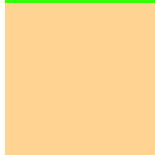
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



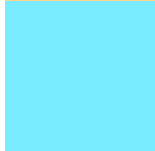
Original Color

37.1547, 72.2298, 12.3990



Deuteranopia

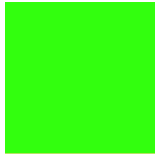
70.0499, 70.4536, 37.5106



Tritanopia

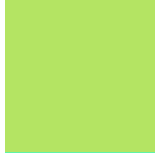
55.9306, 71.2759, 105.4175

Trichromacy



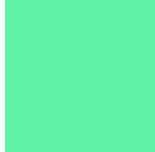
Original Color

37.1547, 72.2298, 12.3990



Deuteranomaly

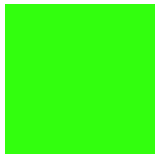
48.8179, 66.0910, 21.9882



Tritanomaly

43.7450, 69.3241, 47.6345

Monochromacy



Original Color

37.1547, 72.2298, 12.3990



Achromatopsia

36.2450, 38.1326, 41.5264



Achromatomaly

31.3755, 45.8210, 22.2296

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.1547, 72.2298, 12.3990 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(50, 255, 14)` looks like.

```
.text, #text, p{  
    color:rgb(50, 255, 14)  
}
```

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(50, 255, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(50, 255, 14) }
```

Border

The CSS property to change the border of an element to XYZ 37.1547, 72.2298, 12.3990 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(50, 255, 14) }
```

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

```
.border{ border-color:rgb(50, 255, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(50, 255, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(50, 255, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(50, 255, 14);  
box-shadow:4px 4px 4px 4px rgb(50, 255,  
14) }
```


Background

The CSS property to change the background color of an element to XYZ 37.1547, 72.2298, 12.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(50, 255, 14) }
```

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

```
.background{ background-color: rgb(50, 255,  
14) }
```

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