

Converting Colors

XYZ(37.9940, 72.5705, 16.5625)

Have a look what the booklet for
XYZ(37.9940, 72.5705, 16.5625)
contains.

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Color

**XYZ(37.9947, 72.5716,
16.5626)**

Conversions

Conversions Part 1

Format	Color
Hex	33FF3E
RGB	51, 255, 62
RGB Percent	20%, 100%, 24%
CMY	0.8000, 0.0000, 0.7568
CMYK	0.80, 0.00, 0.76, 0.00
HSL	123°, 100%, 60%
HSV	123°, 80%, 100%
XYZ	37.9947, 72.5716, 16.5626
YIQ	172.0020, -59.6310, -103.2710

Conversions

Conversions Part 2

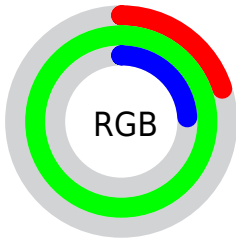
Format	Color
RYB	51, 245, 255
Decimal	3407678
CIELab	88.24, -81.00, 72.97
CIELCh	88, 109.017, 137.986
Yxy	72.5716, 0.2989, 0.5709
Android (android.graphics.Color)	4281597758 (0xFF33FF3E)
YUV	172.0020, -54.2310, -106.1188
Hunter-Lab	85.1890, -69.4688, 48.1050

Details

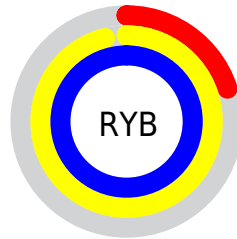
The XYZ color **37.9947, 72.5716, 16.5626** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **58.7517, 30.1588, 88.3062**, and the grayscale version is **39.5016, 41.5587, 45.2574**.

A 20% lighter version of the original color is **48.9457, 77.9117, 30.8711**, and **19.9663, 39.9325, 6.6554** is the 20% darker color. If you saturate the color by 10%, you get **36.5213, 71.8723, 13.7718**, and if you desaturate by 10%, it is **40.4654, 73.7511, 20.9346**.

Distribution



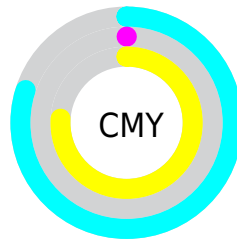
- Red (20%)
- Green (100%)
- Blue (24%)



- Red (20%)
- Yellow (96%)
- Blue (100%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)
- Black (0%)



- Cyan (80%)
- Magenta (0%)
- Yellow (76%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.9947, 72.5716, 16.5626 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 37.9947, 72.5716, 16.5626 by changing the saturation by 10% instead.


 37.9947, 72.5716,
16.5626


 37.9947, 72.5716,
16.5626


328.8785,
469.5287, 244.5970

 26.1558, 53.6257,
9.7645


 71.4040, 122.8688,
38.3525


 17.0735, 38.3025,
5.1395


 93.7050, 154.9890,
54.1813


 10.3825, 26.2176,
2.2692


 120.2241,
192.2694, 73.8575

 5.7175, 16.9865,
0.7139

 151.3267,
235.0945, 97.7995

 2.7131, 10.2249,
0.0000

 187.3781,
283.8485, 126.4259

 1.0039, 5.5483,
0.0000

228.7436,

 0.0000, 2.5724,

338.9160, 160.1553

0.0000

275.7886,
400.6812, 199.4061

■ 0.0000, 0.9128,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.9947, 72.5716,
16.5626

■ 37.9947, 72.5716,
16.5626

■ 36.5213, 71.8723,
13.7718


■ 40.4654, 73.7511,
20.9346


■ 35.8376, 71.5511,
12.3289


■ 44.0679, 75.4761,
27.0707

■ 48.9166, 77.8023,
35.1326

■ 55.1118, 80.7783,
45.2626

 62.7435, 84.4476,
57.5900

 71.8939, 88.8502,
72.2331

 82.6391, 94.0229,
89.3020

95.0499, 99.9999,
108.8998

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.



54.6065, 72.5716, 5.9839



37.9947, 72.5716, 16.5626



30.6018, 72.5716, 52.7083

Triad

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



37.9947, 72.5716, 16.5626



59.0455, 72.5716, 319.5967



128.5982, 72.5716, 42.4151

Complementary

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



37.9947, 72.5716, 16.5626



58.7517, 30.1588, 88.3062

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.



130.6599, 72.5716, 112.8856



37.9947, 72.5716, 16.5626



85.6708, 72.5716, 309.8547

Square

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



37.9947, 72.5716, 16.5626



40.5347, 72.5716, 241.2290



113.4085, 72.5716, 219.6164



108.3336, 72.5716, 13.0989

Rectangle

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



37.9947, 72.5716, 16.5626



30.2467, 72.5716, 100.7258



113.4085, 72.5716, 219.6164



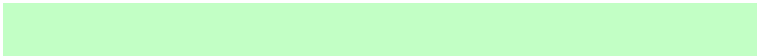
131.6003, 72.5716, 60.6775

Sweetspot

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



37.9949, 72.5717, 16.5637



68.0466, 86.9988, 66.0909



73.9440, 91.1355, 16.8256



13.8764, 18.2901, 13.0438



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.



37.9949, 72.5717, 16.5637



36.0465, 71.6493, 12.7622



43.7540, 74.8753, 46.8906



17.8113, 20.1840, 19.3093



18.7419, 37.3934, 6.5262



1.8382, 3.6462, 0.7057

Inverse Universe

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



58.7517, 30.1588, 88.3062



57.3463, 27.8796, 86.1983



47.3666, 25.6047, 28.3529



18.7478, 18.2824, 22.5552



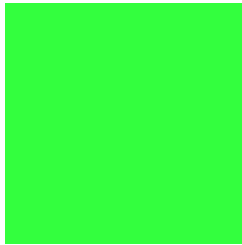
29.8821, 14.4421, 44.8911



2.9220, 1.4112, 4.4364

Previews

White Background



This preview shows how the XYZ color 37.9947, 72.5716, 16.5626 looks on a white background.

Color Contrast Check

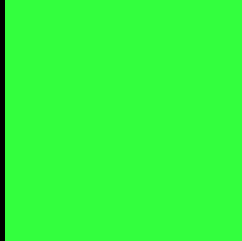
Large Text (above 18pt) WCAG AA × Fail

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 37.9947, 72.5716, 16.5626 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 37.9947, 72.5716, 16.5626

Background



This preview shows how black text looks on a background with the XYZ color 37.9947, 72.5716, 16.5626.

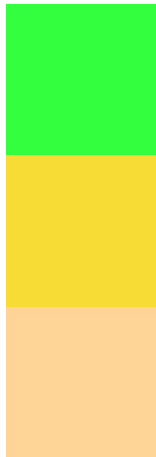


This preview shows how white text looks on a background with the XYZ color 37.9947, 72.5716,

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

37.9947, 72.5716, 16.5626

Protanopia

64.2418, 71.0363, 13.6936

Deuteranopia

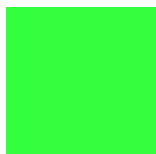
70.2885, 70.5490, 38.7669



Tritanopia

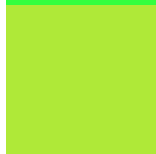
56.5026, 71.9993, 105.5270

Trichromacy



Original Color

37.9947, 72.5716, 16.5626



Protanomaly

47.5319, 67.6773, 14.2992



Deuteranomaly

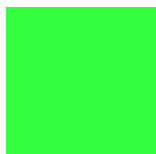
50.0695, 66.6186, 27.3593



Tritanomaly

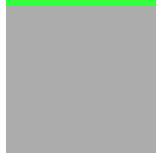
46.0374, 70.7455, 57.1278

Monochromacy



Original Color

37.9947, 72.5716, 16.5626



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

34.1875, 48.4962, 29.3886

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.9947, 72.5716, 16.5626 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(51, 255, 62)` looks like.

```
.text, #text, p{  
    color:rgb(51, 255, 62)  
}
```

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(51, 255, 62) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 255, 62) }
```

Border

The CSS property to change the border of an element to XYZ 37.9947, 72.5716, 16.5626 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(51, 255, 62) }
```


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

```
.border{ border-color:rgb(51, 255, 62) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 255, 62)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 255, 62); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 255, 62);  
box-shadow:4px 4px 4px 4px rgb(51, 255,  
62) }
```

Background

The CSS property to change the background color of an element to XYZ 37.9947, 72.5716, 16.5626 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 255, 62) }
```

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

```
.background{ background-color: rgb(51, 255,  
62) }
```

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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