

Converting Colors

XYZ(37.6006, 72.3391, 17.8695)

Have a look what the booklet for
XYZ(37.6006, 72.3391, 17.8695)
contains.

XYZ(37.6249, 72.3500, 17.9432)	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(37.6249, 72.3500,
17.9432)**

Conversions

Conversions Part 1

Format	Color
Hex	24FF47
RGB	36, 255, 71
RGB Percent	14%, 100%, 28%
CMY	0.8588, 0.0000, 0.7215
CMYK	0.86, 0.00, 0.72, 0.00
HSL	130°, 100%, 57%
HSV	130°, 86%, 100%
XYZ	37.6249, 72.3500, 17.9432
YIQ	168.5430, -71.4600, -103.6520

Conversions

Conversions Part 2

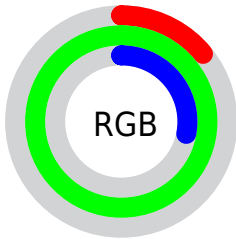
Format	Color
R_{YB}	36, 225, 255
Decimal	2424647
CIE _{Lab}	88.14, -81.74, 69.90
CIE _{LCh}	88, 107.549, 139.466
Yxy	72.3500, 0.2941, 0.5656
Android (android.graphics.Color)	4280614727 (0xFF24FF47)
YUV	168.5430, -48.0887, -116.2402
Hunter-Lab	85.0588, -69.8952, 47.0339

Details

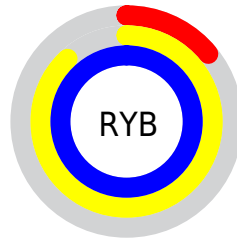
The XYZ color **37.6249, 72.3500, 17.9432** is a dark color, and the websafe version is hex **33FF33**. The color can be described as dark washed green. A complement of this color would be **54.7885, 27.6889, 70.1633**, and the grayscale version is **37.7419, 39.7074, 43.2414**.

A 20% lighter version of the original color is **48.3266, 77.5406, 33.1886**, and **19.7399, 39.4799, 6.5800** is the 20% darker color. If you saturate the color by 10%, you get **36.4583, 71.8145, 14.9107**, and if you desaturate by 10%, it is **39.6662, 73.3084, 22.2836**.

Distribution



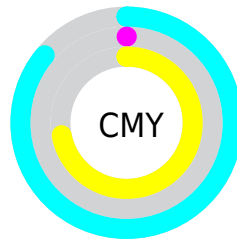
- Red (14%)
- Green (100%)
- Blue (28%)



- Red (14%)
- Yellow (88%)
- Blue (100%)



- Cyan (86%)
- Magenta (0%)
- Yellow (72%)
- Black (0%)





- Cyan (86%)
- Magenta (0%)
- Yellow (72%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.6249, 72.3500, 17.9432 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 37.6249, 72.3500, 17.9432 by changing the saturation by 10% instead.


 37.6249, 72.3500,
17.9432


 37.6249, 72.3500,
17.9432


327.3169,
468.7589, 252.7761

 25.8676, 53.4446,
10.7402


 70.8405, 122.5540,
40.7531


 16.8568, 38.1578,
5.7804


 93.0294, 154.6214,
57.1972


 10.2271, 26.1052,
2.6454


 119.4263,
191.8450, 77.5586

 5.6132, 16.9024,
0.9158

 150.3964,
234.6091, 102.2560

 2.6498, 10.1649,
0.0000

 186.3052,
283.2982, 131.7079

 0.9714, 5.5084,
0.0000

227.5180,

 0.0000, 2.5486,

338.2966, 166.3329

0.0000

274.4001,
399.9887, 206.5494

■ 0.0000, 0.9009,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 37.6249, 72.3500,
17.9432

■ 37.6249, 72.3500,
17.9432

■ 36.4583, 71.8145,
14.9107

■ 39.6662, 73.3084,
22.2836

■ 36.1561, 71.6784,
14.0056

■ 42.7197, 74.7579,
28.0546

■ 46.8990, 76.7549,
35.3682

■ 52.3020, 79.3476,
44.3246

■ 59.0159, 82.5791,
55.0153

■ 67.1197, 86.4882,
67.5253

■ 76.6861, 91.1109,
81.9337

■ 87.7829, 96.4804,
98.3150

■ 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.



53.5745, 72.3500, 6.4949



37.6249, 72.3500, 17.9432



30.7187, 72.3500, 55.6270

Triad

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



37.6249, 72.3500, 17.9432



60.1198, 72.3500, 316.0051



126.6916, 72.3500, 40.3920

Complementary

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



37.6249, 72.3500, 17.9432



54.7885, 27.6889, 70.1633

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.



129.7094, 72.3500, 107.5950



37.6249, 72.3500, 17.9432



86.5890, 72.3500, 301.8176

Square

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



37.6249, 72.3500, 17.9432



41.3849, 72.3500, 242.7809



113.5903, 72.3500, 211.2414



106.1527, 72.3500, 12.7345

Rectangle

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



37.6249, 72.3500, 17.9432



30.6253, 72.3500, 104.4272



113.5903, 72.3500, 211.2414



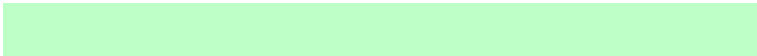
129.9538, 72.3500, 57.7136

Sweetspot

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



37.6252, 72.3501, 17.9444



67.0153, 86.4378, 67.3663



66.2487, 87.2007, 15.0090



13.7098, 18.1951, 13.4481



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.



37.6252, 72.3501, 17.9444



36.1561, 71.6784, 14.0056



44.5588, 75.1236, 54.4561



17.8899, 20.2155, 19.7234



18.9271, 37.4674, 7.5012



1.8752, 3.6610, 0.9004

Inverse Universe

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



54.7885, 27.6889, 70.1633



53.4083, 26.1273, 66.0073



44.8320, 23.7063, 17.7329



18.6606, 18.2475, 22.0957



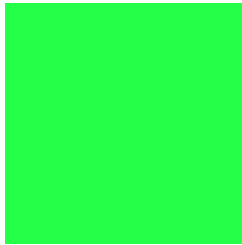
27.9536, 13.6707, 34.7359



2.7537, 1.3439, 3.5504

Previews

White Background



This preview shows how the XYZ color 37.6249, 72.3500, 17.9432 looks on a white background.

Color Contrast Check

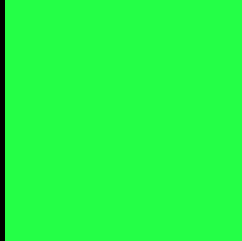
Large Text (above 18pt) WCAG AA × Fail

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 37.6249, 72.3500, 17.9432 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 37.6249, 72.3500, 17.9432

Background



This preview shows how black text looks on a background with the XYZ color 37.6249, 72.3500, 17.9432.

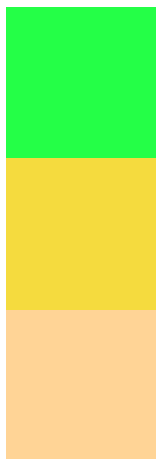


This preview shows how white text looks on a background with the XYZ color 37.6249, 72.3500,

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

37.6249, 72.3500, 17.9432

Protanopia

63.8572, 70.4233, 14.7849

Deuteranopia

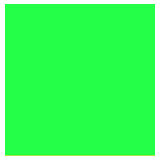
70.2885, 70.5490, 38.7669



Tritanopia

56.0799, 71.7814, 105.5072

Trichromacy



Original Color

37.6249, 72.3500, 17.9432



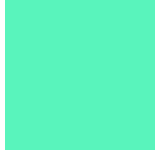
Protanomaly

46.1729, 66.5299, 15.4090



Deuteranomaly

48.8738, 65.9812, 28.2489



Tritanomaly

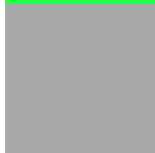
45.5476, 70.4561, 58.7757

Monochromacy



Original Color

37.6249, 72.3500, 17.9432



Achromatopsia

37.7116, 39.6755, 43.2066



Achromatomaly

32.7731, 47.0670, 29.5478

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6249, 72.3500, 17.9432 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(36, 255, 71)` looks like.

```
.text, #text, p{  
    color:rgb(36, 255, 71)  
}
```

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(36, 255, 71) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(36, 255, 71) }
```

Border

The CSS property to change the border of an element to XYZ 37.6249, 72.3500, 17.9432 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(36, 255, 71) }
```


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

```
.border{ border-color:rgb(36, 255, 71) }
```

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

Here you see how a box with a 4 pixel `rgb(36, 255, 71)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(36, 255, 71); -webkit-box-  
shadow:4px 4px 4px 4px rgb(36, 255, 71);  
box-shadow:4px 4px 4px 4px rgb(36, 255,  
71) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6249, 72.3500, 17.9432 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(36, 255, 71) }
```

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

```
.background{ background-color: rgb(36, 255,  
71) }
```

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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