

Converting Colors

XYZ(41.9453, 74.2415, 33.3172)

Have a look what the booklet for
XYZ(41.9453, 74.2415, 33.3172)
contains.

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Color

**XYZ(41.9036, 74.2217,
33.2368)**

Conversions

Conversions Part 1

Format	Color
Hex	40FF82
RGB	64, 255, 130
RGB Percent	25%, 100%, 51%
CMY	0.7490, 0.0000, 0.4902
CMYK	0.75, 0.00, 0.49, 0.00
HSL	141°, 100%, 63%
HSV	141°, 75%, 100%
XYZ	41.9036, 74.2217, 33.2368
YIQ	183.6410, -73.7110, -79.3670

Conversions

Conversions Part 2

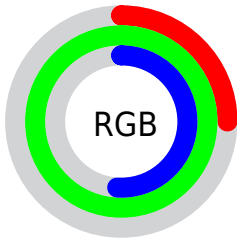
Format	Color
RYB	64, 206, 255
Decimal	4259714
CIELab	89.03, -72.16, 46.42
CIELCh	89, 85.798, 147.247
Yxy	74.2217, 0.2806, 0.4969
Android (android.graphics.Color)	4282449794 (0xFF40FF82)
YUV	183.6410, -26.4450, -104.9252
Hunter-Lab	86.1520, -63.9452, 37.4328

Details

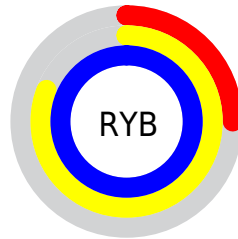
The XYZ color **41.9036, 74.2217, 33.2368** is a light color, and the websafe version is hex **33FF99**. The color can be described as light washed spring green. A complement of this color would be **52.2587, 28.6012, 50.9098**, and the grayscale version is **45.5324, 47.9036, 52.1671**.

A 20% lighter version of the original color is **54.9982, 80.4261, 58.5240**, and **21.3058, 40.4683, 13.7094** is the 20% darker color. If you saturate the color by 10%, you get **39.5764, 73.1411, 27.7478**, and if you desaturate by 10%, it is **45.1705, 75.7657, 39.7206**.

Distribution



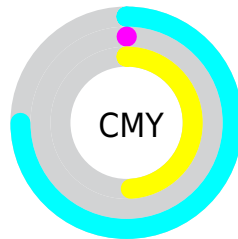
- Red (25%)
- Green (100%)
- Blue (51%)



- Red (25%)
- Yellow (81%)
- Blue (100%)



- Cyan (75%)
- Magenta (0%)
- Yellow (49%)
- Black (0%)





- Cyan (75%)
- Magenta (0%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9036, 74.2217, 33.2368 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 41.9036, 74.2217, 33.2368 by changing the saturation by 10% instead.


 41.9036, 74.2217,
33.2368


 41.9036, 74.2217,
33.2368


345.0816,
475.2382, 331.3801


 29.2166, 54.9755,
22.0353


 77.3198, 125.2100,
65.8653


 19.3898, 39.3821,
13.6843


 100.7797,
157.7210, 88.1294

 12.0580, 27.0571,
7.7652


 128.5612,
195.4223, 114.9182

 6.8557, 17.6161,
3.8594

 161.0298,
238.6983, 146.6501

 3.4175, 10.6747,
1.5486

198.5508,
287.9336, 183.7437

 1.3782, 5.8486,
0.2537

241.4895,

 0.2406, 2.7532,

343.5124, 226.6175

0.0000

290.2113,
405.8191, 275.6901

■ 0.0000, 1.0043,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9036, 74.2217,
33.2368

■ 41.9036, 74.2217,
33.2368

■ 39.5764, 73.1411,
27.7478

■ 45.1705, 75.7657,
39.7206

■ 38.0663, 72.4617,
23.1985

■ 49.4755, 77.8230,
47.2428

■ 37.5263, 72.2265,
21.2214

■ 54.9053, 80.4373,
55.8486

■ 61.5366, 83.6473,
65.5793

■ 69.4392, 87.4883,
76.4742

■ 78.6776, 91.9927,
88.5704

■ 89.3116, 97.1907,
101.9035

■ 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.



53.7293, 74.2217, 15.6676



41.9036, 74.2217, 33.2368



37.5875, 74.2217, 75.4224

Triad

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



41.9036, 74.2217, 33.2368



68.6366, 74.2217, 258.4220



112.5507, 74.2217, 38.8065

Complementary

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



41.9036, 74.2217, 33.2368



52.2587, 28.6012, 50.9098

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.



118.6720, 74.2217, 86.4583



41.9036, 74.2217, 33.2368



90.5485, 74.2217, 231.9995

Square

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



41.9036, 74.2217, 33.2368



50.9944, 74.2217, 221.0332



109.9409, 74.2217, 160.2543



94.5467, 74.2217, 17.5892

Rectangle

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



41.9036, 74.2217, 33.2368



38.7543, 74.2217, 119.8824



109.9409, 74.2217, 160.2543



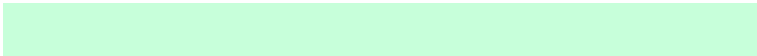
116.2037, 74.2217, 51.3165

Sweetspot

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



41.9040, 74.2219, 33.2380



71.9790, 88.7254, 79.8580



58.2555, 83.0099, 17.8030



14.8976, 18.7430, 16.4152



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.



41.9040, 74.2219, 33.2380



38.7132, 72.7490, 25.3139



51.2163, 77.9468, 82.2761



18.0307, 20.2718, 20.4644



19.6713, 37.7651, 11.4205



1.9644, 3.6967, 1.3705

Inverse Universe

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



52.2587, 28.6012, 50.9098



49.4046, 25.0993, 43.1565



45.1773, 25.7686, 13.6194



18.5104, 18.1875, 21.3047



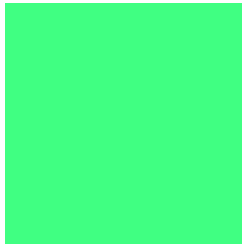
25.2608, 12.5936, 20.5557



2.5111, 1.2468, 2.2727

Previews

White Background



This preview shows how the XYZ color 41.9036, 74.2217, 33.2368 looks on a white background.

Color Contrast Check

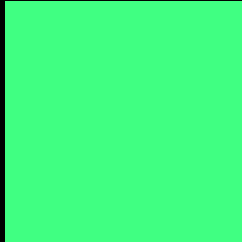
Large Text (above 18pt) WCAG AA × Fail

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 41.9036, 74.2217, 33.2368 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 41.9036, 74.2217, 33.2368

Background



This preview shows how black text looks on a background with the XYZ color 41.9036, 74.2217, 33.2368.

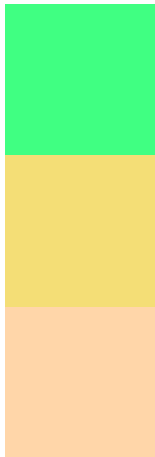


This preview shows how white text looks on a background with the XYZ color 41.9036, 74.2217,

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

41.9036, 74.2217, 33.2368

Protanopia

66.6995, 72.7837, 27.6727

Deuteranopia

72.4480, 72.2177, 47.6571



Tritanopia

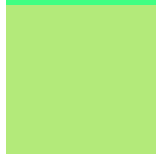
58.6162, 73.5200, 105.7091

Trichromacy



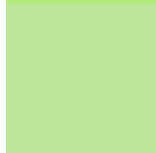
Original Color

41.9036, 74.2217, 33.2368



Protanomaly

51.5261, 69.8345, 29.1760



Deuteranomaly

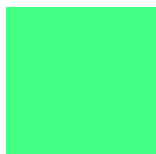
54.1854, 68.8443, 41.4427



Tritanomaly

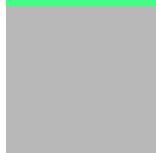
50.2902, 72.6057, 72.3365

Monochromacy



Original Color

41.9036, 74.2217, 33.2368



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

40.5627, 54.3490, 43.4745

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9036, 74.2217, 33.2368 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(64, 255, 130)` looks like.

```
.text, #text, p{  
    color:rgb(64, 255, 130)  
}
```

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(64, 255, 130) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 255, 130) }
```

Border

The CSS property to change the border of an element to XYZ 41.9036, 74.2217, 33.2368 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(64, 255, 130) }
```


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

```
.border{ border-color:rgb(64, 255, 130) }
```

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

Here you see how a box with a 4 pixel rgb(64, 255, 130) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 255, 130); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 255, 130);  
box-shadow:4px 4px 4px 4px rgb(64, 255,  
130) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9036, 74.2217, 33.2368 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 255, 130) }
```

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

```
.background{ background-color: rgb(64, 255,  
130) }
```

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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