

Converting Colors

XYZ(41.9760, 72.8186, 35.4034)

Have a look what the booklet for
XYZ(41.9760, 72.8186, 35.4034)
contains.

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Color

**XYZ(41.9982, 72.8047,
35.5061)**

Conversions

Conversions Part 1

Format	Color
Hex	48FC89
RGB	72, 252, 137
RGB Percent	28%, 99%, 54%
CMY	0.7176, 0.0117, 0.4627
CMYK	0.71, 0.00, 0.46, 0.01
HSL	142°, 97%, 64%
HSV	142°, 71%, 99%
XYZ	41.9982, 72.8047, 35.5061
YIQ	185.0700, -70.3650, -73.9250

Conversions

Conversions Part 2

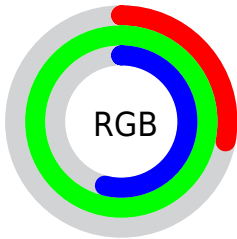
Format	Color
RYB	72, 204, 252
Decimal	4783241
CIELab	88.35, -68.97, 42.26
CIELCh	88, 80.889, 148.503
Yxy	72.8047, 0.2794, 0.4844
Android (android.graphics.Color)	4282973321 (0xFF48FC89)
YUV	185.0700, -23.6985, -99.1624
Hunter-Lab	85.3257, -61.4603, 35.0559

Details

The XYZ color **41.9982, 72.8047, 35.5061** 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 **51.4340, 28.9192, 49.8865**, and the grayscale version is **46.3103, 48.7221, 53.0583**.

A 20% lighter version of the original color is **56.4298, 81.0766, 62.5444**, and **20.9315, 39.2395, 15.0651** is the 20% darker color. If you saturate the color by 10%, you get **39.4202, 71.6014, 29.8008**, and if you desaturate by 10%, it is **45.5215, 74.4795, 42.1585**.

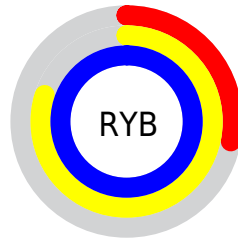
Distribution



Red (28%)

Green (99%)

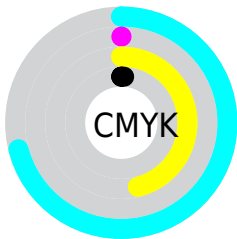
Blue (54%)



Red (28%)

Yellow (80%)

Blue (99%)

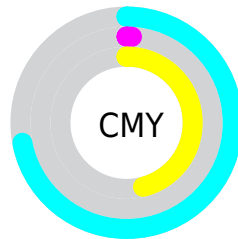


Cyan (71%)

Magenta (0%)

Yellow (46%)

Black (1%)



Cyan (72%)


Magenta (1%)


Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 41.9982, 72.8047, 35.5061 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 41.9982, 72.8047, 35.5061 by changing the saturation by 10% instead.


 41.9982, 72.8047,
35.5061


 41.9982, 72.8047,
35.5061


345.4672,
470.3377, 341.7685

 29.2910, 53.8163,
23.7663


 77.4621, 123.1999,
69.4295


 19.4464, 38.4548,
14.9498


 100.9495,
155.3755, 92.4502

 12.0992, 26.3359,
8.6379


 128.7609,
192.7156, 120.0683

 6.8840, 17.0751,
4.4122

 161.2619,
235.6046, 152.7023

 3.4353, 10.2880,
1.8541

198.8176,
284.4269, 190.7708

 1.3879, 5.5903,
0.4633

241.7935,

 0.2476, 2.5976,

339.5670, 234.6923

0.0000

290.5549,
401.4091, 284.8854

■ 0.0000, 0.9255,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9982, 72.8047,
35.5061

■ 41.9982, 72.8047,
35.5061

■ 39.4202, 71.6014,
29.8008

■ 45.5215, 74.4795,
42.1585


■ 37.6736, 70.8056,
24.9927


■ 50.0756, 76.6629,
49.7946


■ 36.7002, 70.3790,
21.5482


■ 55.7420, 79.3982,
58.4548

■ 62.5922, 82.7216,
68.1758

 70.6917, 86.6660,
78.9925

 80.1008, 91.2619,
90.9379

 90.8760, 96.5378,
104.0439

 94.1018, 98.1036,
108.5839

Harmonies

Analogous

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



52.8686, 72.8047, 17.5470



41.9982, 72.8047, 35.5061



38.1861, 72.8047, 76.5116

Triad

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



41.9982, 72.8047, 35.5061



68.2280, 72.8047, 241.3827



107.4637, 72.8047, 38.4140

Complementary

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



41.9982, 72.8047, 35.5061



51.4340, 28.9192, 49.8865

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.



113.6291, 72.8047, 82.0979



41.9982, 72.8047, 35.5061



88.5864, 72.8047, 215.2393

Square

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



41.9982, 72.8047, 35.5061



51.4695, 72.8047, 209.8490



106.1612, 72.8047, 149.2784



90.5929, 72.8047, 18.5890

Rectangle

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



41.9982, 72.8047, 35.5061



39.4904, 72.8047, 118.2739



106.1612, 72.8047, 149.2784



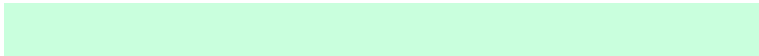
110.9816, 72.8047, 49.9522

Sweetspot

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



42.0000, 72.8077, 35.5078



72.9914, 89.2091, 81.6304



56.9687, 80.9108, 18.7460



15.0996, 18.8391, 16.7878



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.



42.0000, 72.8077, 35.5078



39.5654, 73.1250, 28.2164



51.0756, 76.4379, 83.2991



17.2764, 19.4128, 19.6560



19.1809, 36.6853, 11.5617



1.8252, 3.4172, 1.3275

Inverse Universe

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



51.4340, 28.9192, 49.8865



49.6793, 25.6307, 43.3035



44.7162, 26.2321, 14.5114



17.7115, 17.4119, 20.3363



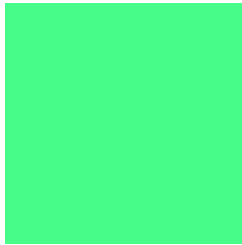
24.3360, 12.1501, 19.0099



2.3047, 1.1456, 2.0278

Previews

White Background



This preview shows how the XYZ color 41.9982, 72.8047, 35.5061 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 41.9982, 72.8047, 35.5061 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

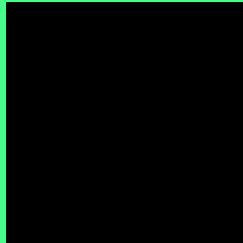
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.9982, 72.8047, 35.5061

Background



This preview shows how black text looks on a background with the XYZ color 41.9982, 72.8047, 35.5061.

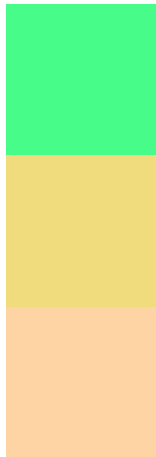


This preview shows how white text looks on a background with the XYZ color 41.9982, 72.8047,

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

41.9982, 72.8047, 35.5061

Protanopia

65.5705, 71.3678, 29.7215

Deuteranopia

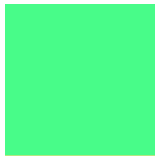
71.5750, 71.0636, 45.5415



Tritanopia

57.0866, 72.3004, 105.5543

Trichromacy



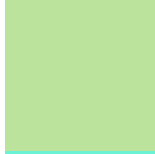
Original Color

41.9982, 72.8047, 35.5061



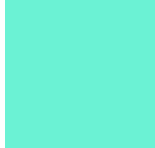
Protanomaly

51.6415, 69.0015, 31.3657



Deuteranomaly

54.1245, 67.9961, 41.2822



Tritanomaly

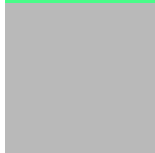
49.6992, 71.3835, 73.4463

Monochromacy



Original Color

41.9982, 72.8047, 35.5061



Achromatopsia

46.1135, 48.5150, 52.8328



Achromatomaly

41.3699, 54.3574, 45.3574

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9982, 72.8047, 35.5061 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(72, 252, 137)` looks like.

```
.text, #text, p{  
    color:rgb(72, 252, 137)  
}
```

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(72, 252, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 252, 137) }
```

Border

The CSS property to change the border of an element to XYZ 41.9982, 72.8047, 35.5061 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(72, 252, 137) }
```


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

```
.border{ border-color:rgb(72, 252, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(72, 252, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 252, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 252, 137);  
box-shadow:4px 4px 4px 4px rgb(72, 252,  
137) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9982, 72.8047, 35.5061 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(72, 252, 137) }
```

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

```
.background{ background-color: rgb(72, 252,  
137) }
```

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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