

Converting Colors

XYZ(41.0692, 72.5084, 36.7387)

Have a look what the booklet for
XYZ(41.0692, 72.5084, 36.7387)
contains.

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Color

**XYZ(40.9093, 72.2181,
36.5943)**

Conversions

Conversions Part 1

Format	Color
Hex	33FC8C
RGB	51, 252, 140
RGB Percent	20%, 99%, 55%
CMY	0.8000, 0.0117, 0.4510
CMYK	0.80, 0.00, 0.44, 0.01
HSL	147°, 97%, 59%
HSV	147°, 80%, 99%
XYZ	40.9093, 72.2181, 36.5943
YIQ	179.1330, -83.8440, -77.4440

Conversions

Conversions Part 2

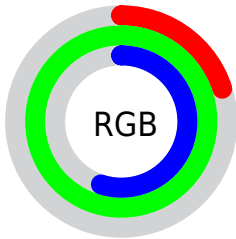
Format	Color
RYB	51, 190, 252
Decimal	3406988
CIELab	88.07, -71.08, 40.38
CIELCh	88, 81.751, 150.397
Yxy	72.2181, 0.2732, 0.4823
Android (android.graphics.Color)	4281597068 (0xFF33FC8C)
YUV	179.1330, -19.2926, -112.3726
Hunter-Lab	84.9812, -62.7887, 33.9556

Details

The XYZ color **40.9093, 72.2181, 36.5943** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **47.9419, 25.7089, 37.0888**, and the grayscale version is **43.0523, 45.2943, 49.3255**.

A 20% lighter version of the original color is **54.8162, 80.2060, 64.2219**, and **21.0532, 39.2882, 15.7063** is the 20% darker color. If you saturate the color by 10%, you get **38.9962, 71.3459, 31.4413**, and if you desaturate by 10%, it is **43.6451, 73.5031, 42.4788**.

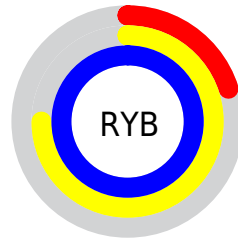
Distribution



Red (20%)

Green (99%)

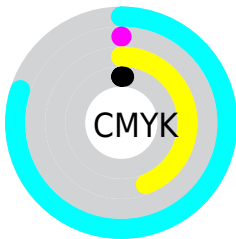
Blue (55%)



Red (20%)

Yellow (75%)

Blue (99%)

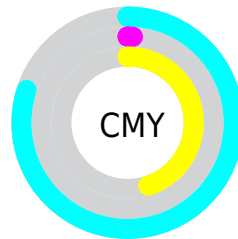


Cyan (80%)

Magenta (0%)

Yellow (44%)

Black (1%)



Cyan (80%)


Magenta (1%)


Yellow (45%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.9093, 72.2181, 36.5943 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 40.9093, 72.2181, 36.5943 by changing the saturation by 10% instead.


 40.9093, 72.2181,
36.5943


 40.9093, 72.2181,
36.5943


341.0105,
468.3004, 346.6664


 28.4356, 53.3369,
24.6002


 75.8218, 122.3666,
71.1277


 18.7964, 38.0718,
15.5631


 98.9912, 154.4026,
94.5041

 11.6264, 26.0384,
9.0646

 126.4566,
191.5923, 122.5117

 6.5602, 16.8524,
4.6859

 158.5834,
234.3201, 155.5690

 3.2325, 10.1293,
2.0087

195.7367,
282.9704, 194.0946

 1.2779, 5.4848,
0.5606

238.2822,

 0.1666, 2.5344,

337.9277, 238.5070

0.0000

286.5849,
399.5762, 289.2247

■ 0.0000, 0.8938,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.9093, 72.2181,
36.5943

■ 40.9093, 72.2181,
36.5943

■ 38.9962, 71.3459,
31.4413

■ 43.6451, 73.5031,
42.4788

■ 37.7394, 70.7955,
26.9813

■ 47.3002, 75.2442,
49.1192

■ 37.7132, 70.7841,
26.8825

■ 51.9626, 77.4882,
56.5443

■ 57.7079, 80.2737,
64.7801

■ 64.6045, 83.6353,
73.8511

■ 72.7145, 87.6048,
83.7805

■ 82.0958, 92.2115,
94.5910

■ 92.8022, 97.4827,
106.3039

■ 94.1018, 98.1035,
108.5839

Harmonies

Analogous

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



51.3498, 72.2181, 17.5888



40.9093, 72.2181, 36.5943



37.5380, 72.2181, 79.3806

Triad

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



40.9093, 72.2181, 36.5943



68.9016, 72.2181, 242.5047



106.3644, 72.2181, 35.8248

Complementary

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



40.9093, 72.2181, 36.5943



47.9419, 25.7089, 37.0888

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.



113.4215, 72.2181, 77.8906



40.9093, 72.2181, 36.5943



89.4344, 72.2181, 212.5356

Square

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



40.9093, 72.2181, 36.5943



51.7220, 72.2181, 213.9845



106.7132, 72.2181, 144.5694



88.8980, 72.2181, 17.3157

Rectangle

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



40.9093, 72.2181, 36.5943



39.1330, 72.2181, 122.3538



106.7132, 72.2181, 144.5694



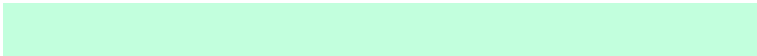
110.1657, 72.2181, 46.8084

Sweetspot

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



40.9111, 72.2210, 36.5960



70.9944, 88.1779, 81.6136



50.9067, 77.8517, 15.4764



14.5702, 18.5677, 16.6974



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.



40.9111, 72.2210, 36.5960



39.1930, 72.9079, 29.3315



51.6989, 76.5361, 93.4034



17.3367, 19.4370, 19.9736



19.7159, 36.8994, 14.3790



1.8784, 3.4385, 1.6076

Inverse Universe

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



47.9419, 25.7089, 37.0888



46.5865, 23.5757, 29.5379



42.2675, 23.4392, 7.2076



17.6496, 17.3872, 20.0103



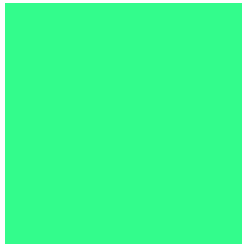
23.4693, 11.8035, 14.4458



2.2270, 1.1145, 1.6189

Previews

White Background



This preview shows how the XYZ color 40.9093, 72.2181, 36.5943 looks on a white background.

Color Contrast Check

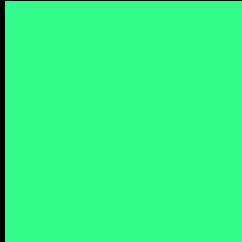
Large Text (above 18pt) WCAG AA × Fail

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 40.9093, 72.2181, 36.5943 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

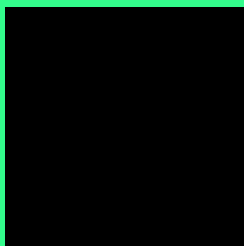
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9093, 72.2181, 36.5943

Background



This preview shows how black text looks on a background with the XYZ color 40.9093, 72.2181, 36.5943.

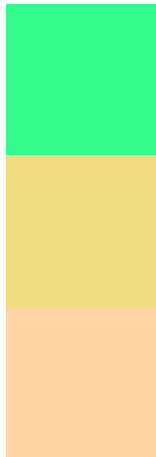


This preview shows how white text looks on a background with the XYZ color 40.9093, 72.2181,

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

40.9093, 72.2181, 36.5943

Protanopia

65.1630, 70.7468, 30.6431

Deuteranopia

71.2351, 70.5289, 44.9809



Tritanopia

55.8054, 71.6399, 105.4944

Trichromacy



Original Color

40.9093, 72.2181, 36.5943



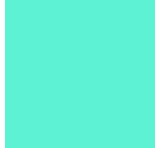
Protanomaly

49.5354, 67.4757, 32.2431



Deuteranomaly

52.1688, 66.5830, 41.1126



Tritanomaly

48.3785, 70.6880, 74.0451

Monochromacy



Original Color

40.9093, 72.2181, 36.5943



Achromatopsia

42.8472, 45.0786, 49.0906



Achromatomaly

38.3786, 51.7648, 43.5661

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9093, 72.2181, 36.5943 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, 252, 140)` looks like.

```
.text, #text, p{  
    color:rgb(51, 252, 140)  
}
```

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, 252, 140) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 252, 140) }
```

Border

The CSS property to change the border of an element to XYZ 40.9093, 72.2181, 36.5943 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, 252, 140) }
```


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

```
.border{ border-color:rgb(51, 252, 140) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 252, 140)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 252, 140); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 252, 140);  
box-shadow:4px 4px 4px 4px rgb(51, 252,  
140) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9093, 72.2181, 36.5943 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 252, 140) }
```

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

```
.background{ background-color: rgb(51, 252,  
140) }
```

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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