

Converting Colors

XYZ(39.8259, 72.2644, 21.6442)

Have a look what the booklet for
XYZ(39.8259, 72.2644, 21.6442)
contains.

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Color

**XYZ(39.9941, 72.5424,
21.7917)**

Conversions

Conversions Part 1

Format	Color
Hex	4CFD5B
RGB	76, 253, 91
RGB Percent	30%, 99%, 36%
CMY	0.7020, 0.0078, 0.6431
CMYK	0.70, 0.00, 0.64, 0.01
HSL	125°, 98%, 65%
HSV	125°, 70%, 99%
XYZ	39.9941, 72.5424, 21.7917
YIQ	181.6090, -53.4900, -87.9060

Conversions

Conversions Part 2

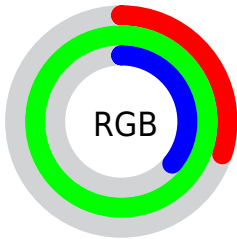
Format	Color
RYB	76, 239, 253
Decimal	5045595
CIELab	88.23, -74.59, 62.72
CIELCh	88, 97.451, 139.941
Yxy	72.5424, 0.2977, 0.5400
Android (android.graphics.Color)	4283235675 (0xFF4CFD5B)
YUV	181.6090, -44.6702, -92.6191
Hunter-Lab	85.1718, -65.2325, 44.4506

Details

The XYZ color **39.9941, 72.5424, 21.7917** is a dark color, and the websafe version is hex **33FF66**. The color can be described as middle washed green. A complement of this color would be **58.5269, 32.2256, 84.0247**, and the grayscale version is **44.5083, 46.8262, 50.9938**.

A 20% lighter version of the original color is **52.8805, 79.7376, 40.2076**, and **19.7495, 39.1240, 7.7391** is the 20% darker color. If you saturate the color by 10%, you get **37.5157, 71.3650, 17.2423**, and if you desaturate by 10%, it is **43.5738, 74.2562, 28.0039**.

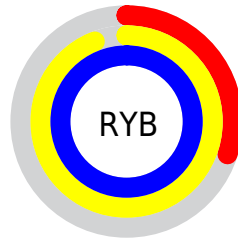
Distribution



Red (30%)

Green (99%)

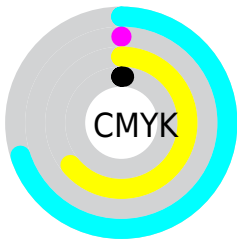
Blue (36%)



Red (30%)

Yellow (94%)

Blue (99%)

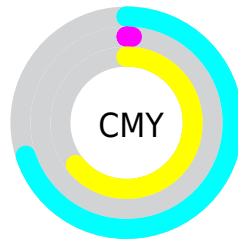


Cyan (70%)

Magenta (0%)

Yellow (64%)

Black (1%)



Cyan (70%)

Magenta (1%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9941, 72.5424, 21.7917 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 39.9941, 72.5424, 21.7917 by changing the saturation by 10% instead.

39.9941, 72.5424,
21.7917

39.9941, 72.5424,
21.7917

337.2335,
469.4273, 274.3745

27.7181, 53.6019,
13.5071

74.4389, 122.8274,
47.2992

18.2527, 38.2835,
7.6438

97.3385, 154.9406,
65.3592

11.2323, 26.2028,
3.7834

124.5100,
192.2135, 87.5148

6.2918, 16.9754,
1.5073

156.3187,
235.0305, 114.1844

3.0656, 10.2169,
0.2233

193.1301,
283.7760, 145.7866

1.1886, 5.5430,
0.0000

235.3095,

0.0973, 2.5693,

338.8344, 182.7400

0.0000

283.2222,
400.5900, 225.4631

■ 0.0000, 0.9112,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9941, 72.5424,
21.7917

■ 39.9941, 72.5424,
21.7917

■ 37.5157, 71.3650,
17.2423

■ 43.5738, 74.2562,
28.0039

■ 36.0053, 70.6524,
14.1914

■ 48.3580, 76.5502,
36.0131

■ 35.2684, 70.3103,
12.4483

■ 54.4439, 79.4741,
45.9453

■ 35.2663, 70.3093,
12.4437

■ 61.9172, 83.0695,
57.9140

70.8563, 87.3748,
72.0237

81.3339, 92.4251,
88.3717

93.4175, 98.2536,
107.0497

94.4167, 98.7335,
108.6889

Harmonies

Analogous

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



54.7513, 72.5424, 9.3057



39.9941, 72.5424, 21.7917



33.5348, 72.5424, 58.6007

Triad

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



39.9941, 72.5424, 21.7917



61.4056, 72.5424, 285.0905



120.3124, 72.5424, 42.7674

Complementary

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



39.9941, 72.5424, 21.7917



58.5269, 32.2256, 84.0247

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.



123.2350, 72.5424, 103.6238



39.9941, 72.5424, 21.7917



85.4115, 72.5424, 271.8222

Square

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



39.9941, 72.5424, 21.7917



43.9168, 72.5424, 223.8047



109.3073, 72.5424, 193.9053



102.0442, 72.5424, 15.8090

Rectangle

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



39.9941, 72.5424, 21.7917



33.5249, 72.5424, 103.3105



109.3073, 72.5424, 193.9053



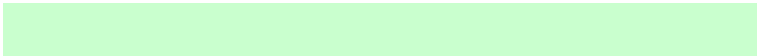
123.2587, 72.5424, 58.8154

Sweetspot

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



39.9958, 72.5454, 21.7933



71.1078, 88.4557, 71.7116



71.7766, 88.9965, 20.2327



14.6587, 18.6628, 14.4661



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.



39.9958, 72.5454, 21.7933



37.4548, 72.3026, 16.1136



46.2696, 75.0549, 54.8305



17.8341, 20.1932, 19.4291



18.7805, 37.4088, 6.7293



1.8489, 3.6505, 0.7623

Inverse Universe

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



58.5269, 32.2256, 84.0247



57.2891, 28.9373, 82.5664



48.5793, 28.2466, 31.6415



18.7223, 18.2722, 22.4209



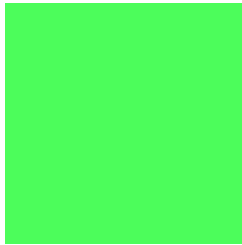
29.2904, 14.2055, 41.7753



2.8707, 1.3906, 4.1664

Previews

White Background



This preview shows how the XYZ color 39.9941, 72.5424, 21.7917 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 39.9941, 72.5424, 21.7917 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 39.9941, 72.5424, 21.7917

Background



This preview shows how black text looks on a background with the XYZ color 39.9941, 72.5424, 21.7917.

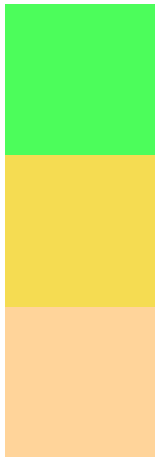


This preview shows how white text looks on a background with the XYZ color 39.9941, 72.5424,

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

39.9941, 72.5424, 21.7917

Protanopia

64.7724, 71.2081, 18.3133

Deuteranopia

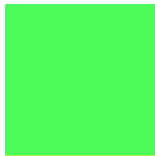
70.6162, 70.6801, 40.4926



Tritanopia

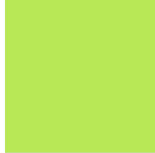
56.7978, 71.7229, 105.4581

Trichromacy



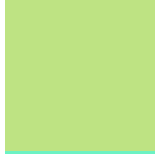
Original Color

39.9941, 72.5424, 21.7917



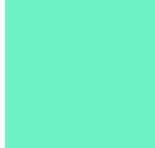
Protanomaly

50.2635, 68.5594, 19.1785



Deuteranomaly

52.8010, 67.5240, 31.7233



Tritanomaly

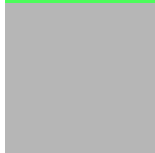
47.7868, 70.6325, 62.7446

Monochromacy



Original Color

39.9941, 72.5424, 21.7917



Achromatopsia

44.4628, 46.7784, 50.9417



Achromatomaly

39.3084, 53.1213, 36.6154

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9941, 72.5424, 21.7917 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(76, 253, 91)` looks like.

```
.text, #text, p{  
    color:rgb(76, 253, 91)  
}
```

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(76, 253, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 253, 91) }
```

Border

The CSS property to change the border of an element to XYZ 39.9941, 72.5424, 21.7917 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(76, 253, 91) }
```


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

```
.border{ border-color:rgb(76, 253, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(76, 253, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 253, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 253, 91);  
box-shadow:4px 4px 4px 4px rgb(76, 253,  
91) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9941, 72.5424, 21.7917 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 253, 91) }
```

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

```
.background{ background-color: rgb(76, 253,  
91) }
```

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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