

Converting Colors

XYZ(39.9585, 70.1349, 26.7636)

Have a look what the booklet for
XYZ(39.9585, 70.1349, 26.7636)
contains.

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Color

**XYZ(39.9717, 70.0985,
26.7529)**

Conversions

Conversions Part 1

Format	Color
Hex	52F870
RGB	82, 248, 112
RGB Percent	32%, 97%, 44%
CMY	0.6784, 0.0274, 0.5608
CMYK	0.67, 0.00, 0.55, 0.03
HSL	131°, 92%, 65%
HSV	131°, 67%, 97%
XYZ	39.9717, 70.0985, 26.7529
YIQ	182.8620, -55.2800, -77.4880

Conversions

Conversions Part 2

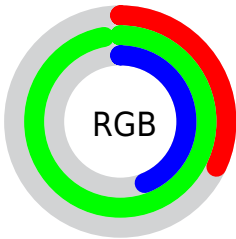
Format	Color
RYB	82, 223, 248
Decimal	5437552
CIELab	87.05, -69.55, 52.40
CIELCh	87, 87.082, 143.008
Yxy	70.0985, 0.2921, 0.5123
Android (android.graphics.Color)	4283627632 (0xFF52F870)
YUV	182.8620, -34.9350, -88.4560
Hunter-Lab	83.7248, -61.2995, 39.6622

Details

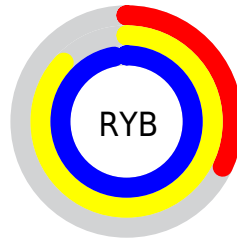
The XYZ color **39.9717, 70.0985, 26.7529** is a light color, and the websafe version is hex **66FF66**. The color can be described as light muted spring green. A complement of this color would be **54.3855, 31.0541, 69.4585**, and the grayscale version is **45.1428, 47.4937, 51.7206**.

A 20% lighter version of the original color is **55.1295, 80.6996, 49.2302**, and **19.1772, 37.1324, 10.1595** is the 20% darker color. If you saturate the color by 10%, you get **37.1857, 68.7806, 21.3694**, and if you desaturate by 10%, it is **43.7953, 71.9259, 33.5203**.

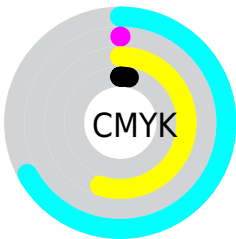
Distribution



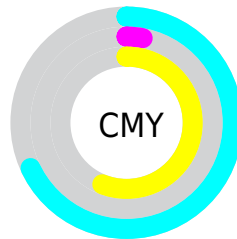
- Red (32%)
- Green (97%)
- Blue (44%)



- Red (32%)
- Yellow (87%)
- Blue (97%)



- Cyan (67%)
- Magenta (0%)
- Yellow (55%)
- Black (3%)





- Cyan (68%)
- Magenta (3%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9717, 70.0985, 26.7529 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 39.9717, 70.0985, 26.7529 by changing the saturation by 10% instead.


 39.9717, 70.0985,
26.7529


 39.9717, 70.0985,
26.7529


337.1407,
460.8958, 300.1809


 27.7006, 51.6068,
17.1569


 74.4050, 119.3492,
55.4860


 18.2394, 36.6918,
10.1833


 97.2980, 150.8771,
75.4602

 11.2227, 24.9689,
5.4135


 124.4622,
187.5191, 99.7309

 6.2852, 16.0539,
2.4289

 156.2632,
229.6597, 128.7167

 3.0616, 9.5623,
0.8021

193.0661,
277.6833, 162.8360

 1.1864, 5.1097,
0.0000

235.2365,

 0.0956, 2.3118,

331.9742, 202.5075

0.0000

283.1396,
392.9169, 248.1496

■ 0.0000, 0.7799,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9717, 70.0985,
26.7529

■ 39.9717, 70.0985,
26.7529

■ 37.1857, 68.7806,
21.3694

■ 43.7953, 71.9259,
33.5203

■ 35.3261, 67.9108,
17.2695


■ 48.7425, 74.2991,
41.7536


■ 34.2625, 67.4261,
14.3464


■ 54.8959, 77.2612,
51.5336

■ 34.0390, 67.3257,
13.6659

■ 62.3290, 80.8485,
62.9341

 71.1092, 85.0942,
76.0242

 81.2993, 90.0294,
90.8686

 92.7352, 95.5681,
107.5187

 92.8588, 95.6176,
108.1696

Harmonies

Analogous

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



52.4532, 70.0985, 12.6184



39.9717, 70.0985, 26.7529



34.8079, 70.0985, 63.4618

Triad

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



39.9717, 70.0985, 26.7529



61.9689, 70.0985, 250.7083



109.5988, 70.0985, 40.3257

Complementary

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



39.9717, 70.0985, 26.7529



54.3855, 31.0541, 69.4585

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.



113.5840, 70.0985, 90.8194



39.9717, 70.0985, 26.7529



83.1474, 70.0985, 233.2465

Square

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



39.9717, 70.0985, 26.7529



45.7189, 70.0985, 205.6418



103.0845, 70.0985, 165.7314



93.0976, 70.0985, 17.1976

Rectangle

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



39.9717, 70.0985, 26.7529



35.2732, 70.0985, 104.4767



103.0845, 70.0985, 165.7314



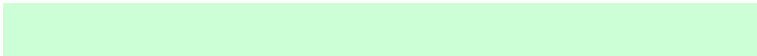
112.5679, 70.0985, 53.7481

Sweetspot

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



39.9734, 70.1014, 26.7545



72.6997, 89.1725, 76.4760



64.7092, 83.0151, 20.5959



14.9929, 18.8120, 15.5235



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.



39.9734, 70.1014, 26.7545



38.8813, 72.9262, 21.2312



46.6374, 72.7670, 61.8467



17.1455, 19.3605, 18.9666



18.4234, 36.3824, 7.5728



1.7402, 3.3832, 0.8798

Inverse Universe

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



54.3855, 31.0541, 69.4585



55.0957, 28.6964, 69.0540



46.2699, 27.8078, 26.7221



17.8505, 17.4676, 21.0686



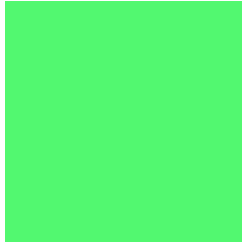
26.7944, 13.1335, 31.9552



2.5155, 1.2299, 3.1382

Previews

White Background



This preview shows how the XYZ color 39.9717, 70.0985, 26.7529 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 39.9717, 70.0985, 26.7529 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

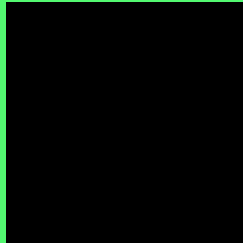
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9717, 70.0985, 26.7529

Background



This preview shows how black text looks on a background with the XYZ color 39.9717, 70.0985, 26.7529.

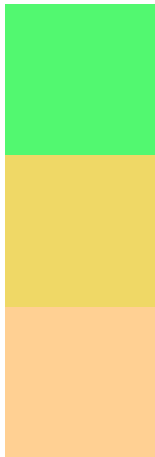


This preview shows how white text looks on a background with the XYZ color 39.9717, 70.0985,

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

39.9717, 70.0985, 26.7529

Protanopia

62.5507, 68.4218, 22.4803

Deuteranopia

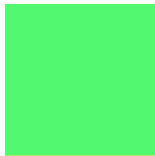
69.0623, 68.4783, 37.1814



Tritanopia

54.8780, 69.5171, 102.6212

Trichromacy



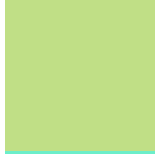
Original Color

39.9717, 70.0985, 26.7529



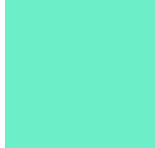
Protanomaly

49.6363, 66.4725, 23.8500



Deuteranomaly

52.4290, 65.7031, 32.4729



Tritanomaly

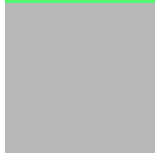
47.3015, 68.5543, 65.9976

Monochromacy



Original Color

39.9717, 70.0985, 26.7529



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.2527, 53.1710, 40.0398

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9717, 70.0985, 26.7529 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(82, 248, 112)` looks like.

```
.text, #text, p{  
    color:rgb(82, 248, 112)  
}
```

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(82, 248, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(82, 248, 112) }
```

Border

The CSS property to change the border of an element to XYZ 39.9717, 70.0985, 26.7529 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(82, 248, 112) }
```


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

```
.border{ border-color:rgb(82, 248, 112) }
```

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

Here you see how a box with a 4 pixel rgb(82, 248, 112) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(82, 248, 112); -webkit-box-  
shadow:4px 4px 4px 4px rgb(82, 248, 112);  
box-shadow:4px 4px 4px 4px rgb(82, 248,  
112) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9717, 70.0985, 26.7529 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(82, 248, 112) }
```

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

```
.background{ background-color: rgb(82, 248,  
112) }
```

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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