

Converting Colors

XYZ(40.0197, 67.8064, 29.4936)

Have a look what the booklet for
XYZ(40.0197, 67.8064, 29.4936)
contains.

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Color

**XYZ(39.9771, 67.7816,
29.3885)**

Conversions

Conversions Part 1

Format	Color
Hex	5CF37A
RGB	92, 243, 122
RGB Percent	36%, 95%, 48%
CMY	0.6392, 0.0470, 0.5216
CMYK	0.62, 0.00, 0.50, 0.05
HSL	132°, 86%, 66%
HSV	132°, 62%, 95%
XYZ	39.9771, 67.7816, 29.3885
YIQ	184.0570, -51.1550, -69.6430

Conversions

Conversions Part 2

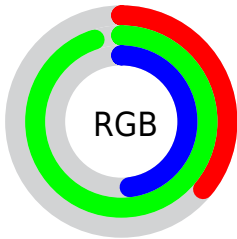
Format	Color
R_{YB}	92, 218, 243
Decimal	6091642
CIE _{Lab}	85.90, -64.59, 46.43
CIE _{LCh}	86, 79.547, 144.288
Yxy	67.7816, 0.2915, 0.4942
Android (android.graphics.Color)	4284281722 (0xFF5CF37A)
YUV	184.0570, -30.5941, -80.7340
Hunter-Lab	82.3296, -57.4018, 36.4665

Details

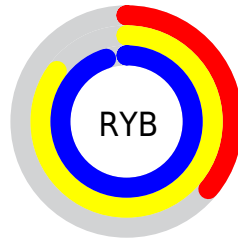
The XYZ color **39.9771, 67.7816, 29.3885** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **52.8016, 31.5144, 66.2527**, and the grayscale version is **45.7770, 48.1609, 52.4473**.

A 20% lighter version of the original color is **57.1140, 81.6232, 53.8189**, and **18.6644, 35.5600, 11.6744** is the 20% darker color. If you saturate the color by 10%, you get **36.8397, 66.2919, 23.5628**, and if you desaturate by 10%, it is **44.1378, 69.7748, 36.5269**.

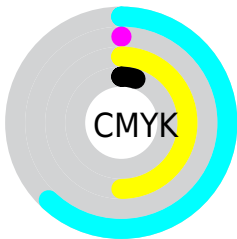
Distribution



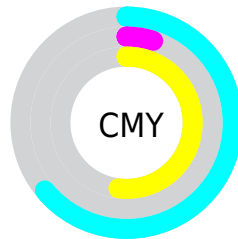
- Red (36%)
- Green (95%)
- Blue (48%)



- Red (36%)
- Yellow (85%)
- Blue (95%)



- Cyan (62%)
- Magenta (0%)
- Yellow (50%)
- Black (5%)



- Cyan (64%)
- Magenta (5%)
- Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 39.9771, 67.7816, 29.3885 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 39.9771, 67.7816, 29.3885 by changing the saturation by 10% instead.

39.9771, 67.7816,
29.3885

39.9771, 67.7816,
29.3885

337.1631,
452.7218, 313.1617

27.7048, 49.7201,
19.1268

74.4132, 116.0397,
59.7433

18.2426, 35.1910,
11.5842

97.3077, 147.0050,
80.6735

11.2250, 23.8101,
6.3421

124.4737,
183.0403, 105.9969

6.2868, 15.1928,
2.9821

156.2766,
224.5302, 136.1321

3.0626, 8.9548,
1.0855

193.0815,
271.8588, 171.4977

1.1869, 4.7117,
0.0000

235.2541,

0.0960, 2.0791,

325.4107, 212.5121

0.0000

283.1595,
385.5703, 259.5939

0.0000, 0.6528,
0.0000

0.0000, 0.0000,
0.0000

39.9771, 67.7816,
29.3885

39.9771, 67.7816,
29.3885

36.8397, 66.2919,
23.5628

44.1378, 69.7748,
36.5269

34.6286, 65.2515,
18.9652


49.3974, 72.3031,
45.0466


33.2361, 64.6087,
15.5080

55.8300, 75.4052,
55.0171

32.5912, 64.3195,
13.5239

63.5015, 79.1138,
66.5016

 72.4733, 83.4592,
79.5597

 82.8022, 88.4695,
94.2479

 91.3419, 92.5838,
107.6640

Harmonies

Analogous

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



51.0725, 67.7816, 14.9497



39.9771, 67.7816, 29.3885



35.4937, 67.7816, 64.2671

Triad

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



39.9771, 67.7816, 29.3885



61.0026, 67.7816, 225.2459



101.8877, 67.7816, 39.7709

Complementary

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



39.9771, 67.7816, 29.3885



52.8016, 31.5144, 66.2527

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.



105.9090, 67.7816, 84.2376



39.9771, 67.7816, 29.3885



79.9214, 67.7816, 208.0800

Square

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



39.9771, 67.7816, 29.3885



46.0757, 67.7816, 188.7939



97.2309, 67.7816, 149.1490



87.0933, 67.7816, 18.6622

Rectangle

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



39.9771, 67.7816, 29.3885



36.1080, 67.7816, 101.4106



97.2309, 67.7816, 149.1490



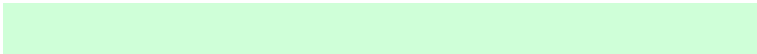
104.6480, 67.7816, 51.7237

Sweetspot

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



39.9788, 67.7844, 29.3900



73.7840, 89.6877, 78.5078



62.1023, 79.3722, 22.1729



15.2088, 18.9141, 15.9463



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.



39.9788, 67.7844, 29.3900



40.2439, 73.5559, 24.5815



46.3372, 70.3278, 62.8730



16.4168, 18.5259, 18.2132



17.9242, 35.3145, 7.6207



1.6103, 3.1178, 0.8537

Inverse Universe

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



52.8016, 31.5144, 66.2527



55.5840, 29.9085, 68.4905



45.5113, 28.5982, 27.8625



17.0642, 16.7085, 20.0849



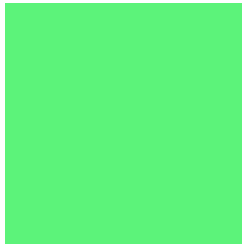
25.7242, 12.6331, 29.5857



2.2960, 1.1244, 2.7851

Previews

White Background



This preview shows how the XYZ color 39.9771, 67.7816, 29.3885 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 39.9771, 67.7816, 29.3885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

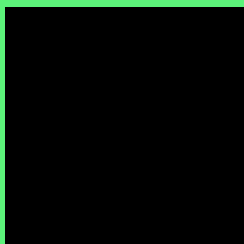
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.9771, 67.7816, 29.3885

Background



This preview shows how black text looks on a background with the XYZ color 39.9771, 67.7816, 29.3885.



This preview shows how white text looks on a background with the XYZ color 39.9771, 67.7816,

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

39.9771, 67.7816, 29.3885

Protanopia

60.9798, 66.4205, 24.9357

Deuteranopia

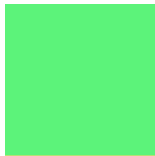
67.4931, 66.3098, 33.6679



Tritanopia

53.7150, 67.3280, 98.9715

Trichromacy



Original Color

39.9771, 67.7816, 29.3885



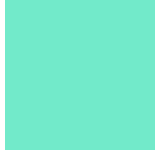
Protanomaly

49.3365, 64.6395, 26.3994



Deuteranomaly

52.0700, 63.5720, 31.7165



Tritanomaly

47.0229, 66.6873, 66.2707

Monochromacy



Original Color

39.9771, 67.7816, 29.3885



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

41.0268, 52.8152, 41.7502

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9771, 67.7816, 29.3885 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(92, 243, 122)` looks like.

```
.text, #text, p{  
    color:rgb(92, 243, 122)  
}
```

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(92, 243, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(92, 243, 122) }
```

Border

The CSS property to change the border of an element to XYZ 39.9771, 67.7816, 29.3885 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(92, 243, 122) }
```


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

```
.border{ border-color:rgb(92, 243, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(92, 243, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(92, 243, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(92, 243, 122);  
box-shadow:4px 4px 4px 4px rgb(92, 243,  
122) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9771, 67.7816, 29.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(92, 243, 122) }
```

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

```
.background{ background-color: rgb(92, 243,  
122) }
```

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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