

Converting Colors

XYZ(39.4179, 67.3714, 19.9890)

Have a look what the booklet for
XYZ(39.4179, 67.3714, 19.9890)
contains.

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Color

**XYZ(39.2981, 67.1956,
19.9157)**

Conversions

Conversions Part 1

Format	Color
Hex	69F257
RGB	105, 242, 87
RGB Percent	41%, 95%, 34%
CMY	0.5882, 0.0510, 0.6588
CMYK	0.57, 0.00, 0.64, 0.05
HSL	113°, 86%, 65%
HSV	113°, 64%, 95%
XYZ	39.2981, 67.1956, 19.9157
YIQ	183.3670, -31.8970, -77.2490

Conversions

Conversions Part 2

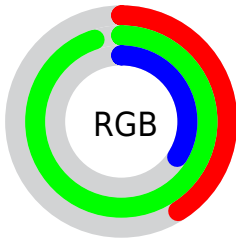
Format	Color
RYB	87, 242, 224
Decimal	6943319
CIELab	85.60, -65.45, 61.65
CIELCh	86, 89.914, 136.715
Yxy	67.1956, 0.3109, 0.5316
Android (android.graphics.Color)	4285133399 (0xFF69F257)
YUV	183.3670, -47.5089, -68.7279
Hunter-Lab	81.9729, -57.8791, 42.9763

Details

The XYZ color **39.2981, 67.1956, 19.9157** is a dark color, and the websafe version is hex **66FF66**. The color can be described as middle muted chartreuse. A complement of this color would be **50.1797, 29.0771, 86.9756**, and the grayscale version is **45.4784, 47.8468, 52.1052**.

A 20% lighter version of the original color is **56.5788, 81.6885, 38.3766**, and **17.9253, 34.9748, 6.7258** is the 20% darker color. If you saturate the color by 10%, you get **36.2665, 65.7305, 15.4499**, and if you desaturate by 10%, it is **43.2960, 69.1246, 26.1588**.

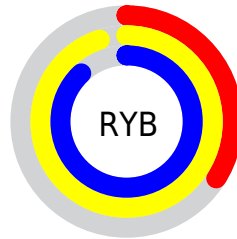
Distribution



Red (41%)

Green (95%)

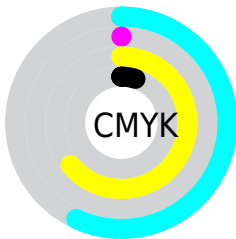
Blue (34%)



Red (34%)

Yellow (95%)

Blue (88%)

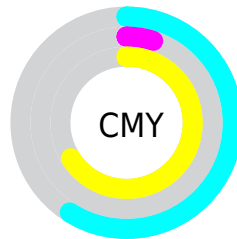


Cyan (57%)

Magenta (0%)

Yellow (64%)

Black (5%)



Cyan (59%)


Magenta (5%)


Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.2981, 67.1956, 19.9157 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 39.2981, 67.1956, 19.9157 by changing the saturation by 10% instead.


 39.2981, 67.1956,
19.9157


 39.2981, 67.1956,
19.9157


334.3416,
450.6407, 264.0475


 27.1735, 49.2436,
12.1503


 73.3847, 115.2006,
44.1329


 17.8408, 34.8128,
6.7223


 96.0773, 146.0225,
61.4218

 10.9348, 23.5187,
3.2133


 123.0233,
181.9030, 82.7223

 6.0899, 14.9770,
1.2045

 154.5881,
223.2267, 108.4529

 2.9410, 8.8032,
0.0000

191.1369,
270.3780, 139.0322

 1.1227, 4.6131,
0.0000

233.0352,

 0.0439, 2.0221,

323.7411, 174.8787

0.0000

280.6483,
383.7005, 216.4110

■ 0.0000, 0.6202,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.2981, 67.1956,
19.9157

■ 39.2981, 67.1956,
19.9157

■ 36.2665, 65.7305,
15.4499

■ 43.2960, 69.1246,
26.1588

■ 34.1135, 64.6820,
12.5722


■ 48.3286, 71.5433,
34.3339


■ 32.7431, 64.0077,
11.0590


■ 54.4635, 74.4854,
44.5841

■ 32.2350, 63.7552,
10.6070

■ 61.7612, 77.9794,
57.0377

 70.2778, 82.0516,
71.8128

 80.0656, 86.7268,
89.0188

 90.9464, 91.9369,
107.5600

 91.0435, 91.9870,
107.5645

Harmonies

Analogous

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



53.2085, 67.1956, 9.6151



39.2981, 67.1956, 19.9157



32.7228, 67.1956, 50.2090

Triad

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



39.2981, 67.1956, 19.9157



55.2474, 67.1956, 246.7018



109.4369, 67.1956, 45.3105

Complementary

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



39.2981, 67.1956, 19.9157



50.1797, 29.0771, 86.9756

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.



110.3118, 67.1956, 102.2274



39.2981, 67.1956, 19.9157



75.8624, 67.1956, 242.7985

Square

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



39.2981, 67.1956, 19.9157



40.5148, 67.1956, 189.6342



96.9962, 67.1956, 180.7797



94.8133, 67.1956, 17.9796

Rectangle

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



39.2981, 67.1956, 19.9157



32.2241, 67.1956, 87.1440



96.9962, 67.1956, 180.7797



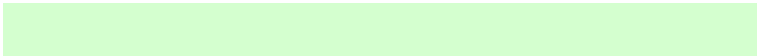
111.4426, 67.1956, 60.7663

Sweetspot

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



39.2997, 67.1984, 19.9172



74.1694, 90.0261, 72.2111



64.9745, 72.8352, 19.6520



15.2989, 18.9937, 14.4584



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.



39.2997, 67.1984, 19.9172



39.9720, 73.6012, 16.1900



40.9056, 67.6219, 38.2628



15.7363, 17.7442, 16.7453



17.3735, 34.2779, 5.7006



1.5006, 2.8801, 0.4768

Inverse Universe

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



50.1797, 29.0771, 86.9756



52.9411, 27.5021, 97.1259



48.5325, 29.0970, 47.6336



16.2630, 15.9328, 19.9398



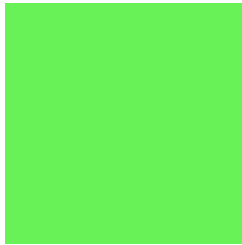
23.5680, 11.1551, 46.0389



2.0114, 0.9542, 3.8324

Previews

White Background



This preview shows how the XYZ color 39.2981, 67.1956, 19.9157 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 39.2981, 67.1956, 19.9157 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

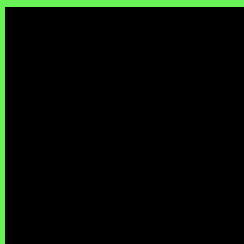
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 39.2981, 67.1956, 19.9157

Background



This preview shows how black text looks on a background with the XYZ color 39.2981, 67.1956, 19.9157.

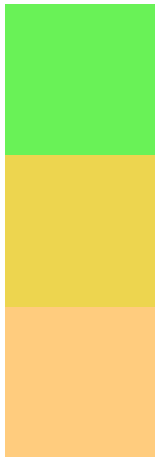


This preview shows how white text looks on a background with the XYZ color 39.2981, 67.1956,

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

39.2981, 67.1956, 19.9157

Protanopia

60.1306, 66.1575, 16.9976

Deuteranopia

66.5988, 65.9521, 28.9586



Tritanopia

54.5980, 67.0197, 96.4447

Trichromacy



Original Color

39.2981, 67.1956, 19.9157



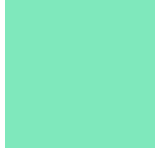
Protanomaly

49.1649, 64.7393, 17.8873



Deuteranomaly

51.8155, 63.5920, 24.8728



Tritanomaly

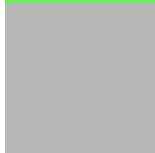
46.6861, 65.8561, 57.8278

Monochromacy



Original Color

39.2981, 67.1956, 19.9157



Achromatopsia

45.0092, 47.3531, 51.5676



Achromatomaly

40.4557, 52.2924, 35.9782

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.2981, 67.1956, 19.9157 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(105, 242, 87)` looks like.

```
.text, #text, p{  
    color:rgb(105, 242, 87)  
}
```

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(105, 242, 87) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 242, 87) }
```

Border

The CSS property to change the border of an element to XYZ 39.2981, 67.1956, 19.9157 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(105, 242, 87) }
```


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

```
.border{ border-color:rgb(105, 242, 87) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 242, 87)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 242, 87); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 242, 87);  
box-shadow:4px 4px 4px 4px rgb(105, 242,  
87) }
```

Background

The CSS property to change the background color of an element to XYZ 39.2981, 67.1956, 19.9157 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 242, 87) }
```

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

```
.background{ background-color: rgb(105,  
242, 87) }
```

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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