

Converting Colors

XYZ(39.9584, 61.8883, 9.8396)

Have a look what the booklet for
XYZ(39.9584, 61.8883, 9.8396)
contains.

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Color

**XYZ(39.9561, 61.7827,
9.8193)**

Conversions

Conversions Part 1

Format	Color
Hex	94E400
RGB	148, 228, 0
RGB Percent	58%, 89%, 0%
CMY	0.4196, 0.1059, 0.9999
CMYK	0.35, 0.00, 1.00, 0.11
HSL	81°, 100%, 45%
HSV	81°, 100%, 89%
XYZ	39.9561, 61.7827, 9.8193
YIQ	178.0880, 25.5080, -87.8680

Conversions

Conversions Part 2

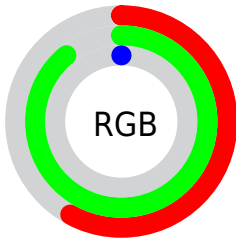
Format	Color
RYB	0, 228, 80
Decimal	9757696
CIELab	82.80, -51.29, 80.65
CIELCh	83, 95.582, 122.456
Yxy	61.7827, 0.3582, 0.5538
Android (android.graphics.Color)	4287947776 (0xFF94E400)
YUV	178.0880, -87.7974, -26.3872
Hunter-Lab	78.6020, -46.8157, 47.6146

Details

The XYZ color **39.9561, 61.7827, 9.8193** is a dark color, and the websafe version is hex **99FF33**. The color can be described as dark washed chartreuse. A complement of this color would be **17.3158, 7.3093, 73.9006**, and the grayscale version is **42.8077, 45.0370, 49.0453**.

A 20% lighter version of the original color is **63.5339, 85.6345, 22.4130**, and **18.7770, 31.5798, 5.1059** is the 20% darker color. If you saturate the color by 10%, you get **39.9555, 61.7844, 9.8197**, and if you desaturate by 10%, it is **41.6082, 62.6187, 10.6953**.

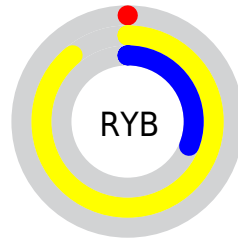
Distribution



Red (58%)

Green (89%)

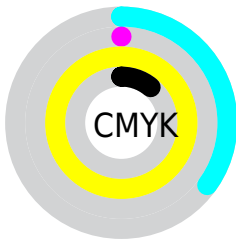
Blue (0%)



Red (0%)

Yellow (89%)

Blue (31%)

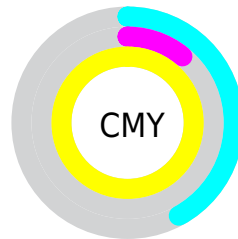


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (42%)


Magenta (11%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.9561, 61.7827, 9.8193 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 39.9561, 61.7827, 9.8193 by changing the saturation by 10% instead.


 39.9561, 61.7827,
9.8193


 39.9561, 61.7827,
9.8193


337.0761,
431.1380, 199.8152


 27.6884, 44.8571,
5.1753


 74.3814, 107.4114,
26.0575

 18.2301, 31.3449,
2.2899


 97.2697, 136.8833,
38.4888


 11.2160, 20.8616,
0.7256


 124.4290,
171.3062, 54.3530

 6.2807, 13.0229,
0.0000

 156.2244,
211.0644, 74.0685

 3.0588, 7.4443,
0.0000

 193.0215,
256.5422, 98.0540

 1.1849, 3.7415,
0.0000

 235.1856,

 0.0944, 1.5300,

308.1242, 126.7279

0.0000

283.0820,
366.1947, 160.5088

■ 0.0000, 0.3097,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 39.9561, 61.7827,
9.8193

■ 39.9561, 61.7827,
9.8193

■ 39.9555, 61.7844,
9.8197

■ 41.6082, 62.6187,
10.6953

■ 43.5410, 63.5766,
12.5234

■ 45.8155, 64.6833,
15.6084

■ 48.4668, 65.9528,
20.1256

■ 51.5246, 67.3974,
26.2224

■ 55.0153, 69.0278,
34.0279

■ 58.9625, 70.8536,
43.6579

■ 63.3879, 72.8837,
55.2181

■ 68.3117, 75.1264,
68.8060

Harmonies

Analogous

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



57.0442, 61.7827, 5.7067



39.9561, 61.7827, 9.8193



30.1777, 61.7827, 27.3176

Triad

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



39.9561, 61.7827, 9.8193



42.2701, 61.7827, 225.9174



107.7478, 61.7827, 62.5332

Complementary

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



39.9561, 61.7827, 9.8193



17.3158, 7.3093, 73.9006

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.



101.2218, 61.7827, 134.3995



39.9561, 61.7827, 9.8193



60.4336, 61.7827, 255.6870

Square

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



39.9561, 61.7827, 9.8193



31.2781, 61.7827, 148.1803



82.6011, 61.7827, 215.2071



98.8050, 61.7827, 22.9622

Rectangle

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



39.9561, 61.7827, 9.8193



27.5991, 61.7827, 53.4726



82.6011, 61.7827, 215.2071



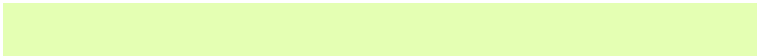
107.2900, 61.7827, 83.2593

Sweetspot

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



39.9575, 61.7854, 9.8206



75.8897, 91.2735, 56.0009



34.8522, 22.2059, 2.4501



15.7669, 19.3163, 10.8005



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.



39.9575, 61.7854, 9.8206



51.3834, 79.5742, 12.6512



28.4121, 55.8335, 9.2803



15.0850, 16.5509, 15.3040



23.2036, 35.7434, 5.6762



1.8143, 2.6927, 0.4241

Inverse Universe

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



17.3158, 7.3093, 73.9006



22.2170, 9.3682, 95.2450



36.2036, 17.0464, 74.7845



14.0576, 14.1319, 18.1311



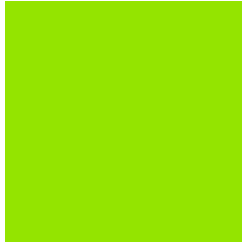
10.1133, 4.2795, 42.6762



0.8451, 0.3666, 3.1582

Previews

White Background



This preview shows how the XYZ color 39.9561, 61.7827, 9.8193 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 39.9561, 61.7827, 9.8193 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 39.9561, 61.7827, 9.8193

Background



This preview shows how black text looks on a background with the XYZ color 39.9561, 61.7827, 9.8193.



This preview shows how white text looks on a background with the XYZ color 39.9561, 61.7827,

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

39.9561, 61.7827, 9.8193

Protanopia

55.0263, 61.1315, 8.8994

Deuteranopia

61.9577, 60.7713, 14.7678



Tritanopia

54.6996, 61.5148, 83.1193

Trichromacy



Original Color

39.9561, 61.7827, 9.8193

Protanomaly

48.1340, 60.5106, 9.1428

Deuteranomaly

51.1249, 59.4218, 11.3598

Tritanomaly

45.3640, 60.0047, 36.3853

Monochromacy



Original Color

39.9561, 61.7827, 9.8193

Achromatopsia

42.3164, 44.5201, 48.4824

Achromatomaly

38.6569, 48.8876, 23.0216

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.9561, 61.7827, 9.8193 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(148, 228, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 228, 0)  
}
```

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(148, 228, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 228, 0) }
```

Border

The CSS property to change the border of an element to XYZ 39.9561, 61.7827, 9.8193 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(148, 228, 0) }
```


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

```
.border{ border-color:rgb(148, 228, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 228, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 228, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 228, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 228,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 39.9561, 61.7827, 9.8193 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 228, 0) }
```

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

```
.background{ background-color: rgb(148,  
228, 0) }
```

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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