

Converting Colors

XYZ(40.6060, 61.7105, 9.7712)

Have a look what the booklet for
XYZ(40.6060, 61.7105, 9.7712)
contains.

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Color

**XYZ(40.6060, 61.7105,
9.7712)**

Conversions

Conversions Part 1

Format	Color
Hex	99E300
RGB	153, 227, 0
RGB Percent	60%, 89%, 0%
CMY	0.4000, 0.1098, 0.9999
CMYK	0.33, 0.00, 1.00, 0.11
HSL	80°, 100%, 45%
HSV	80°, 100%, 89%
XYZ	40.6060, 61.7105, 9.7712
YIQ	178.9960, 28.7630, -86.2850

Conversions

Conversions Part 2

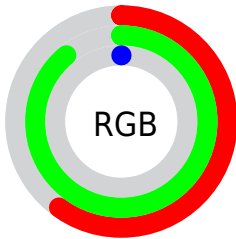
Format	Color
RYB	0, 227, 74
Decimal	10085120
CIELab	82.76, -49.11, 80.73
CIElCh	83, 94.496, 121.312
Yxy	61.7105, 0.3623, 0.5506
Android (android.graphics.Color)	4288275200 (0xFF99E300)
YUV	178.9960, -88.2450, -22.7985
Hunter-Lab	78.5560, -45.2055, 47.6144

Details

The XYZ color **40.6060, 61.7105, 9.7712** 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 **16.6931, 7.0043, 73.1488**, and the grayscale version is **43.2941, 45.5488, 49.6026**.

A 20% lighter version of the original color is **64.9620, 86.3707, 22.4799**, and **19.1790, 31.5055, 5.0703** is the 20% darker color. If you saturate the color by 10%, you get **40.6053, 61.7121, 9.7715**, and if you desaturate by 10%, it is **42.2000, 62.5167, 10.6394**.

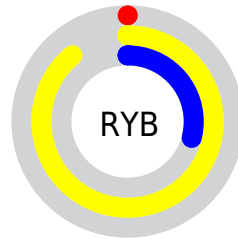
Distribution



Red (60%)

Green (89%)

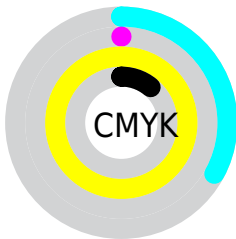
Blue (0%)



Red (0%)

Yellow (89%)

Blue (29%)

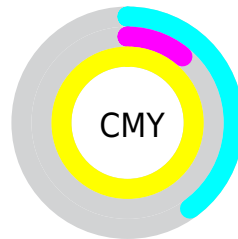


Cyan (33%)

Magenta (0%)

Yellow (100%)

Black (11%)



Cyan (40%)

Magenta (11%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6060, 61.7105, 9.7712 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 40.6060, 61.7105, 9.7712 by changing the saturation by 10% instead.

40.6060, 61.7105,
9.7712

40.6060, 61.7105,
9.7712

339.7620,
430.8743, 199.4563

28.1977, 44.7988,
5.1439

75.3639, 107.3070,
25.9653

18.6159, 31.2990,
2.2717

98.4442, 136.7606,
38.3692

11.4954, 20.8266,
0.7153

125.8125,
171.1637, 54.2024

6.4709, 12.9973,
0.0000

157.8342,
210.9006, 73.8834

3.1768, 7.4267,
0.0000

194.8747,
256.3557, 97.8307

1.2479, 3.7304,
0.0000

237.2992,

0.1437, 1.5239,

307.9134, 126.4630

0.0000

285.4732,
365.9582, 160.1986

■ 0.0000, 0.3055,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 40.6060, 61.7105,
9.7712

■ 40.6060, 61.7105,
9.7712

■ 40.6053, 61.7121,
9.7715

■ 42.2000, 62.5167,
10.6394

■ 44.0590, 63.4369,
12.4489

■ 46.2430, 64.4975,
15.5022

■ 48.7864, 65.7124,
19.9725

■ 51.7183, 67.0933,
26.0055

■ 55.0643, 68.6508,
33.7289

■ 58.8475, 70.3941,
43.2573

■ 63.0890, 72.3319,
54.6953

■ 67.8084, 74.4721,
68.1392

Harmonies

Analogous

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



57.7642, 61.7105, 5.9284



40.6060, 61.7105, 9.7712



30.6276, 61.7105, 26.5270

Triad

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



40.6060, 61.7105, 9.7712



41.8303, 61.7105, 220.8566



107.0121, 61.7105, 64.6635

Complementary

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



40.6060, 61.7105, 9.7712



16.6931, 7.0043, 73.1488

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.



100.0259, 61.7105, 136.4699



40.6060, 61.7105, 9.7712



59.5528, 61.7105, 252.5555

Square

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



40.6060, 61.7105, 9.7712



31.2112, 61.7105, 143.7088



81.3857, 61.7105, 215.2429



98.7548, 61.7105, 24.2106

Rectangle

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



40.6060, 61.7105, 9.7712



27.8946, 61.7105, 51.6710



81.3857, 61.7105, 215.2429



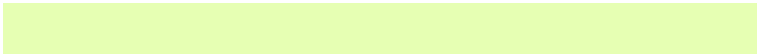
106.3595, 61.7105, 85.5466

Sweetspot

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



40.6074, 61.7132, 9.7725



76.4976, 91.5869, 56.0294



33.9916, 20.9545, 2.2540



15.9122, 19.3912, 10.8073



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.



40.6074, 61.7132, 9.7725



52.7417, 80.2744, 12.7147



28.4110, 55.4257, 9.2017



15.1209, 16.5694, 15.3057



23.8074, 36.0546, 5.7045



1.8558, 2.7141, 0.4261

Inverse Universe

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



16.6931, 7.0043, 73.1488



21.6300, 9.0655, 95.2175



33.9688, 15.9103, 73.9573



14.0232, 14.1142, 18.1295



9.8428, 4.1400, 42.6635



0.8221, 0.3548, 3.1571

Previews

White Background



This preview shows how the XYZ color 40.6060, 61.7105, 9.7712 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 40.6060, 61.7105, 9.7712 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 40.6060, 61.7105, 9.7712

Background



This preview shows how black text looks on a background with the XYZ color 40.6060, 61.7105, 9.7712.



This preview shows how white text looks on a background with the XYZ color 40.6060, 61.7105,

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

40.6060, 61.7105, 9.7712

Protanopia

55.0263, 61.1315, 8.8994

Deuteranopia

61.9248, 60.7581, 14.5946



Tritanopia

55.2024, 61.4201, 82.3446

Trichromacy



Original Color

40.6060, 61.7105, 9.7712

Protanomaly

48.6752, 60.7896, 9.1681

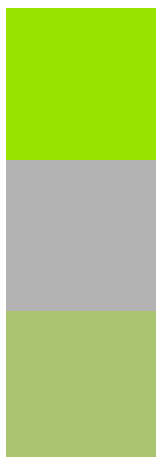
Deuteranomaly

51.7194, 59.7283, 11.3876

Tritanomaly

46.0721, 59.9949, 35.9400

Monochromacy



Original Color

40.6060, 61.7105, 9.7712

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

39.3548, 49.2408, 23.3498

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6060, 61.7105, 9.7712 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(153, 227, 0)` looks like.

```
.text, #text, p{  
    color:rgb(153, 227, 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(153, 227, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 227, 0) }
```

Border

The CSS property to change the border of an element to XYZ 40.6060, 61.7105, 9.7712 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(153, 227, 0) }
```


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

```
.border{ border-color:rgb(153, 227, 0) }
```

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

Here you see how a box with a 4 pixel rgb(153, 227, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 227, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 227, 0);  
box-shadow:4px 4px 4px 4px rgb(153, 227,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6060, 61.7105, 9.7712 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 227, 0) }
```

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

```
.background{ background-color: rgb(153,  
227, 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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