

Converting Colors

XYZ(41.1413, 61.6417, 13.0908)

Have a look what the booklet for
XYZ(41.1413, 61.6417, 13.0908)
contains.

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Color

**XYZ(40.9758, 61.4221,
13.0642)**

Conversions

Conversions Part 1

Format	Color
Hex	99E235
RGB	153, 226, 53
RGB Percent	60%, 89%, 21%
CMY	0.4000, 0.1137, 0.7921
CMYK	0.32, 0.00, 0.77, 0.11
HSL	85°, 75%, 55%
HSV	85°, 77%, 89%
XYZ	40.9758, 61.4221, 13.0642
YIQ	184.4510, 12.0250, -69.2790

Conversions

Conversions Part 2

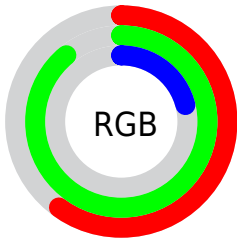
Format	Color
RYB	53, 226, 126
Decimal	10084917
CIELab	82.61, -47.31, 71.36
CIELCh	83, 85.620, 123.539
Yxy	61.4221, 0.3549, 0.5320
Android (android.graphics.Color)	4288274997 (0xFF99E235)
YUV	184.4510, -64.8053, -27.5825
Hunter-Lab	78.3723, -43.8253, 44.9773

Details

The XYZ color **40.9758, 61.4221, 13.0642** is a dark color, and the websafe version is hex **99CC00**. The color can be described as middle washed chartreuse. A complement of this color would be **23.6078, 12.4748, 73.1187**, and the grayscale version is **46.1544, 48.5581, 52.8797**.

A 20% lighter version of the original color is **65.8920, 86.7093, 28.8865**, and **19.0940, 31.1823, 5.0124** is the 20% darker color. If you saturate the color by 10%, you get **38.8451, 60.3722, 10.8614**, and if you desaturate by 10%, it is **43.4982, 62.6495, 16.5662**.

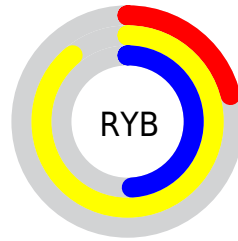
Distribution



Red (60%)

Green (89%)

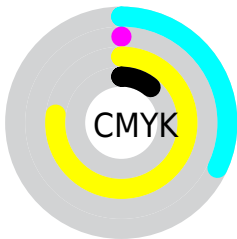
Blue (21%)



Red (21%)

Yellow (89%)

Blue (49%)

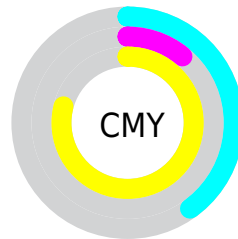


Cyan (32%)

Magenta (0%)

Yellow (77%)

Black (11%)



Cyan (40%)

Magenta (11%)

Yellow (79%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.9758, 61.4221, 13.0642 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 40.9758, 61.4221, 13.0642 by changing the saturation by 10% instead.

40.9758, 61.4221,
13.0642

40.9758, 61.4221,
13.0642

341.2838,
429.8200, 222.5510

28.4878, 44.5659,
7.3415

75.9221, 106.8899,
32.1120

18.8360, 31.1156,
3.5949

99.1111, 136.2702,
46.2741

11.6551, 20.6869,
1.4059

126.5977,
170.5941, 64.0865

6.5798, 12.8953,
0.1463

158.7474,
210.2459, 85.9677

3.2447, 7.3565,
0.0000

195.9255,
255.6100, 112.3362

1.2845, 3.6861,
0.0000

238.4974,

0.1715, 1.4995,

307.0707, 143.6105

0.0000

286.8283,
365.0126, 180.2093

0.0000, 0.2884,
0.0000

0.0000, 0.0000,
0.0000

40.9758, 61.4221,
13.0642

40.9758, 61.4221,
13.0642

38.8451, 60.3722,
10.8614

43.4982, 62.6495,
16.5662


37.0599, 59.4747,
9.7507


46.4418, 64.0603,
21.5241


36.5005, 59.1912,
9.5013


49.8371, 65.6691,
28.0766


53.7102, 67.4868,
36.3450

 58.0849, 69.5232,
46.4392

 62.9831, 71.7873,
58.4596

 68.4253, 74.2877,
72.4995

 74.4307, 77.0325,
88.6459

 80.7893, 79.9378,
105.7792

Harmonies

Analogous

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



56.2290, 61.4221, 8.2271



40.9758, 61.4221, 13.0642



32.1483, 61.4221, 31.2024

Triad

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



40.9758, 61.4221, 13.0642



44.0278, 61.4221, 204.2491



101.1488, 61.4221, 60.8328

Complementary

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



40.9758, 61.4221, 13.0642



23.6078, 12.4748, 73.1187

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.



96.0038, 61.4221, 122.7613



40.9758, 61.4221, 13.0642



60.5849, 61.4221, 226.9162

Square

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



40.9758, 61.4221, 13.0642



33.6338, 61.4221, 139.6800



80.1231, 61.4221, 191.3990



93.0014, 61.4221, 25.1444

Rectangle

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



40.9758, 61.4221, 13.0642



29.8717, 61.4221, 56.1404



80.1231, 61.4221, 191.3990



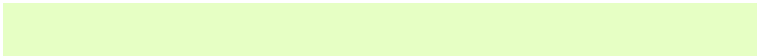
100.9228, 61.4221, 78.9048

Sweetspot

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



40.9772, 61.4248, 13.0655



78.4769, 92.3858, 66.1297



39.3534, 31.1167, 7.3010



16.3146, 19.5507, 12.9932



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.



40.9772, 61.4248, 13.0655



49.5997, 78.6396, 13.2454



30.1844, 55.8609, 12.5604



14.2837, 15.7264, 14.5895



20.9609, 33.8382, 5.4267



1.5544, 2.3978, 0.3809

Inverse Universe

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



23.6078, 12.4748, 73.1187



25.9704, 11.6850, 95.4944



42.0345, 21.9741, 73.9811



13.4976, 13.5245, 17.2868



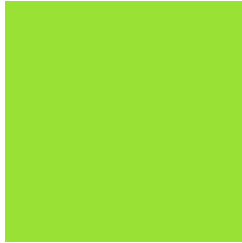
10.6750, 4.5985, 41.3733



0.8405, 0.3706, 2.8725

Previews

White Background



This preview shows how the XYZ color 40.9758, 61.4221, 13.0642 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 40.9758, 61.4221, 13.0642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

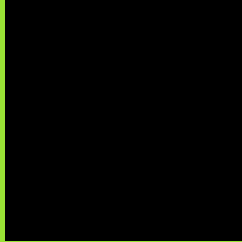
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.9758, 61.4221, 13.0642

Background



This preview shows how black text looks on a background with the XYZ color 40.9758, 61.4221, 13.0642.



This preview shows how white text looks on a background with the XYZ color 40.9758, 61.4221,

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
40.9758, 61.4221, 13.0642
Protanopia
54.9979, 60.6990, 11.6137
Deuteranopia
61.9911, 60.7846, 14.9439



Tritanopia

54.8386, 61.2485, 81.6049

Trichromacy



Original Color

40.9758, 61.4221, 13.0642



Protanomaly

48.7271, 60.3753, 12.1030



Deuteranomaly

51.9681, 59.4414, 13.8886



Tritanomaly

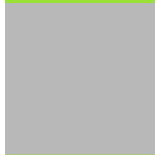
47.1931, 60.0076, 44.2172

Monochromacy



Original Color

40.9758, 61.4221, 13.0642



Achromatopsia

45.5594, 47.9320, 52.1980



Achromatomaly

42.1009, 51.5087, 31.0158

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.9758, 61.4221, 13.0642 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, 226, 53)` looks like.

```
.text, #text, p{  
    color:rgb(153, 226, 53)  
}
```

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, 226, 53) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 226, 53) }
```

Border

The CSS property to change the border of an element to XYZ 40.9758, 61.4221, 13.0642 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, 226, 53) }
```


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

```
.border{ border-color:rgb(153, 226, 53) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 226, 53)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 226, 53); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 226, 53);  
box-shadow:4px 4px 4px 4px rgb(153, 226,  
53) }
```

Background

The CSS property to change the background color of an element to XYZ 40.9758, 61.4221, 13.0642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 226, 53) }
```

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

```
.background{ background-color: rgb(153,  
226, 53) }
```

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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