

Converting Colors

XYZ(41.9363, 61.5060, 13.4017)

Have a look what the booklet for
XYZ(41.9363, 61.5060, 13.4017)
contains.

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Color

**XYZ(41.9371, 61.5069,
13.4031)**

Conversions

Conversions Part 1

Format	Color
Hex	9FE138
RGB	159, 225, 56
RGB Percent	62%, 88%, 22%
CMY	0.3765, 0.1176, 0.7804
CMYK	0.29, 0.00, 0.75, 0.12
HSL	83°, 74%, 55%
HSV	83°, 75%, 88%
XYZ	41.9371, 61.5069, 13.4031
YIQ	186.0000, 14.9130, -66.5510

Conversions

Conversions Part 2

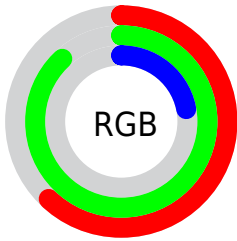
Format	Color
RYB	56, 225, 122
Decimal	10477880
CIELab	82.65, -44.57, 70.60
CIELCh	83, 83.489, 122.265
Yxy	61.5069, 0.3589, 0.5264
Android (android.graphics.Color)	4288667960 (0xFF9FE138)
YUV	186.0000, -64.0900, -23.6790
Hunter-Lab	78.4263, -41.7964, 44.7657

Details

The XYZ color **41.9371, 61.5069, 13.4031** 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 **23.0336, 12.4040, 72.4180**, and the grayscale version is **47.0159, 49.4644, 53.8667**.

A 20% lighter version of the original color is **67.7680, 87.6632, 29.5686**, and **19.5548, 31.1426, 4.9805** is the 20% darker color. If you saturate the color by 10%, you get **39.8249, 60.4699, 11.0492**, and if you desaturate by 10%, it is **44.4232, 62.7120, 17.0668**.

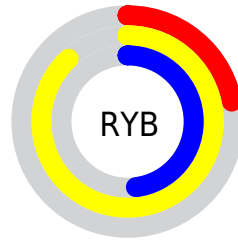
Distribution



Red (62%)

Green (88%)

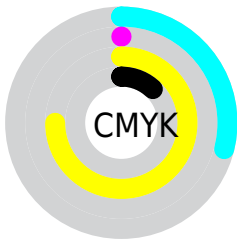
Blue (22%)



Red (22%)

Yellow (88%)

Blue (48%)

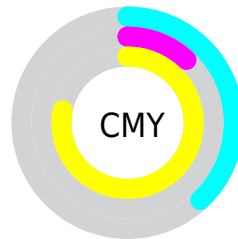


Cyan (29%)

Magenta (0%)

Yellow (75%)

Black (12%)



Cyan (38%)

Magenta (12%)

Yellow (78%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.9371, 61.5069, 13.4031 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 41.9371, 61.5069, 13.4031 by changing the saturation by 10% instead.

■ 41.9371, 61.5069,
13.4031

■ 41.9371, 61.5069,
13.4031

345.2182,
430.1301, 224.7830

■ 29.2429, 44.6344,
7.5727

■ 77.3702, 107.0125,
32.7278

■ 19.4099, 31.1695,
3.7390

■ 100.8398,
136.4145, 47.0593

■ 12.0726, 20.7280,
1.4833

■ 128.6320,
170.7616, 65.0615

■ 6.8657, 12.9253,
0.2054

■ 161.1120,
210.4385, 87.1530

■ 3.4238, 7.3771,
0.0000

■ 198.6453,
255.8293, 113.7524

■ 1.3816, 3.6991,
0.0000

241.5972,

■ 0.2431, 1.5067,

307.3186, 145.2781

0.0000

290.3330,
365.2908, 182.1488

■ 0.0000, 0.2934,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 41.9371, 61.5069,
13.4031

■ 41.9371, 61.5069,
13.4031

■ 39.8249, 60.4699,
11.0492

■ 44.4232, 62.7120,
17.0668


■ 38.0437, 59.5772,
9.8112


■ 47.3108, 64.0902,
22.1911


■ 37.2636, 59.1821,
9.4593


■ 50.6291, 65.6555,
28.9106


■ 54.4026, 67.4181,
37.3435

 58.6542, 69.3873,
47.5968

 63.4045, 71.5718,
59.7689

 68.6732, 73.9794,
73.9510

 74.4786, 76.6179,
90.2285

 80.2672, 79.2661,
105.6771

Harmonies

Analogous

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



57.1099, 61.5069, 8.8588



41.9371, 61.5069, 13.4031



32.9715, 61.5069, 30.7609

Triad

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



41.9371, 61.5069, 13.4031



43.8548, 61.5069, 197.6769



100.0608, 61.5069, 63.1477

Complementary

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



41.9371, 61.5069, 13.4031



23.0336, 12.4040, 72.4180

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.



94.5431, 61.5069, 124.1487



41.9371, 61.5069, 13.4031



59.8321, 61.5069, 221.7485

Square

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



41.9371, 61.5069, 13.4031



33.9093, 61.5069, 134.6185



78.8375, 61.5069, 189.7639



92.6803, 61.5069, 26.9141

Rectangle

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



41.9371, 61.5069, 13.4031



30.5467, 61.5069, 54.5551



78.8375, 61.5069, 189.7639



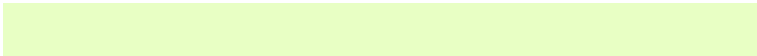
99.6516, 61.5069, 81.1397

Sweetspot

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



41.9385, 61.5096, 13.4044



79.0726, 92.6929, 66.1576



38.5787, 29.9176, 7.4836



16.4590, 19.6252, 13.0000



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.



41.9385, 61.5096, 13.4044



51.5338, 79.6308, 13.6024



30.5991, 55.6639, 12.8737



14.3265, 15.7485, 14.5915



21.6065, 34.1711, 5.4569



1.5972, 2.4199, 0.3829

Inverse Universe

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



23.0336, 12.4040, 72.4180



25.4965, 11.5909, 95.5012



40.2623, 21.2858, 73.2243



13.4559, 13.5030, 17.2848



10.2660, 4.3876, 41.3542



0.8099, 0.3548, 2.8710

Previews

White Background



This preview shows how the XYZ color 41.9371, 61.5069, 13.4031 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 41.9371, 61.5069, 13.4031 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 41.9371, 61.5069, 13.4031

Background



This preview shows how black text looks on a background with the XYZ color 41.9371, 61.5069, 13.4031.



This preview shows how white text looks on a background with the XYZ color 41.9371, 61.5069,

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

41.9371, 61.5069, 13.4031

Protanopia

55.0620, 60.7247, 11.9509

Deuteranopia

62.0596, 60.8120, 15.3045



Tritanopia

55.7341, 61.3425, 81.5758

Trichromacy



Original Color

41.9371, 61.5069, 13.4031

Protanomaly

49.0879, 60.1814, 12.3971

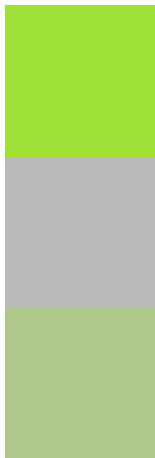
Deuteranomaly

52.6607, 59.7879, 14.3949

Tritanomaly

48.1052, 60.0881, 44.6601

Monochromacy



Original Color

41.9371, 61.5069, 13.4031

Achromatopsia

46.6715, 49.1021, 53.4722

Achromatomaly

43.2190, 52.4027, 32.2630

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.9371, 61.5069, 13.4031 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(159, 225, 56)` looks like.

```
.text, #text, p{  
    color:rgb(159, 225, 56)  
}
```

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(159, 225, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 225, 56) }
```

Border

The CSS property to change the border of an element to XYZ 41.9371, 61.5069, 13.4031 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(159, 225, 56) }
```


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

```
.border{ border-color:rgb(159, 225, 56) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 225, 56)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 225, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 225, 56);  
box-shadow:4px 4px 4px 4px rgb(159, 225,  
56) }
```

Background

The CSS property to change the background color of an element to XYZ 41.9371, 61.5069, 13.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 225, 56) }
```

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

```
.background{ background-color: rgb(159,  
225, 56) }
```

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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