

Converting Colors

XYZ(50.1466, 76.4633, 18.4188)

Have a look what the booklet for
XYZ(50.1466, 76.4633, 18.4188)
contains.

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Color

**XYZ(50.0861, 76.4293,
18.4159)**

Conversions

Conversions Part 1

Format	Color
Hex	A1FA49
RGB	161, 250, 73
RGB Percent	63%, 98%, 29%
CMY	0.3686, 0.0196, 0.7137
CMYK	0.36, 0.00, 0.71, 0.02
HSL	90°, 95%, 63%
HSV	90°, 71%, 98%
XYZ	50.0861, 76.4293, 18.4159
YIQ	203.2110, 3.7730, -73.9150

Conversions

Conversions Part 2

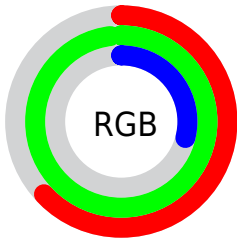
Format	Color
RYB	73, 250, 162
Decimal	10615369
CIELab	90.06, -53.29, 72.25
CIElCh	90, 89.780, 126.410
Yxy	76.4293, 0.3456, 0.5273
Android (android.graphics.Color)	4288805449 (0xFFA1FA49)
YUV	203.2110, -64.1940, -37.0190
Hunter-Lab	87.4239, -50.7271, 48.7072

Details

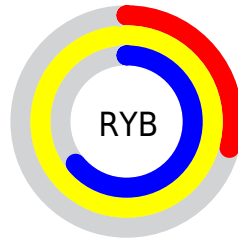
The XYZ color **50.0861, 76.4293, 18.4159** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **34.5420, 19.3511, 92.3614**, and the grayscale version is **57.2888, 60.2722, 65.6365**.

A 20% lighter version of the original color is **69.6755, 88.5308, 34.8886**, and **24.5495, 40.9647, 6.6131** is the 20% darker color. If you saturate the color by 10%, you get **47.0111, 74.9238, 14.7810**, and if you desaturate by 10%, it is **53.7524, 78.2060, 23.8193**.

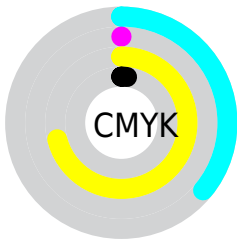
Distribution



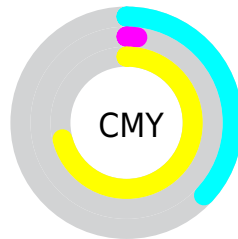
- Red (63%)
- Green (98%)
- Blue (29%)



- Red (29%)
- Yellow (98%)
- Blue (64%)



- Cyan (36%)
- Magenta (0%)
- Yellow (71%)
- Black (2%)





- Cyan (37%)
- Magenta (2%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0861, 76.4293, 18.4159 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 50.0861, 76.4293, 18.4159 by changing the saturation by 10% instead.


 50.0861, 76.4293,
18.4159


 50.0861, 76.4293,
18.4159


377.4490,
482.8160, 255.5193

 35.6999, 56.7846,
11.0765


 89.4935, 128.3336,
41.5682


 24.3715, 40.8323,
6.0035


 115.2454,
161.3619, 58.2182


 15.7357, 28.1881,
2.7784


 145.5166,
199.6203, 78.8087

 9.4270, 18.4675,
0.9826

 180.6724,
243.4930, 103.7584

 5.0800, 11.2861,
0.0000

 221.0781,
293.3646, 133.4858

 2.3295, 6.2596,
0.0000

267.0993,

 0.8097, 3.0036,

349.6194, 168.4094

0.0000

319.1011,
412.6417, 208.9477

0.0000, 1.1336,
0.0000

0.0000, 0.0065,
0.0000

50.0861, 76.4293,
18.4159

50.0861, 76.4293,
18.4159

47.0111, 74.9238,
14.7810

53.7524, 78.2060,
23.8193


44.4719, 73.6585,
12.6845


58.0474, 80.2618,
31.1741


42.5410, 72.6810,
11.7867


63.0108, 82.6160,
40.6459

68.6771, 85.2832,
52.3813

 75.0780, 88.2768,
66.5138

 82.2430, 91.6094,
83.1667

 90.1998, 95.2926,
102.4547

 93.4772, 96.8545,
108.3757

Harmonies

Analogous

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



67.9698, 76.4293, 11.1754



50.0861, 76.4293, 18.4159



40.0566, 76.4293, 43.1716

Triad

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



50.0861, 76.4293, 18.4159



56.8264, 76.4293, 253.6736



124.0167, 76.4293, 70.2712

Complementary

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



50.0861, 76.4293, 18.4159



34.5420, 19.3511, 92.3614

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.



119.3494, 76.4293, 142.5425



50.0861, 76.4293, 18.4159



77.5272, 76.4293, 274.1249

Square

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



50.0861, 76.4293, 18.4159



43.3561, 76.4293, 179.2352



101.1240, 76.4293, 225.9798



112.8198, 76.4293, 29.6064

Rectangle

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



50.0861, 76.4293, 18.4159



37.7535, 76.4293, 75.7759



101.1240, 76.4293, 225.9798



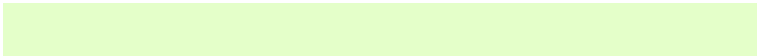
124.2790, 76.4293, 91.1332

Sweetspot

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



50.0879, 76.4326, 18.4176



78.3733, 92.2640, 69.2143



53.4625, 46.4730, 12.4569



16.3632, 19.5560, 13.8883



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.



50.0879, 76.4326, 18.4176



47.9688, 77.7730, 14.3384



38.1382, 70.2723, 17.8583



17.8394, 19.7330, 18.3310



22.7298, 38.6359, 6.2595



2.2273, 3.6413, 0.5855

Inverse Universe

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



34.5420, 19.3511, 92.3614



30.8278, 14.8480, 95.8489



59.0654, 31.9934, 93.5091



17.1149, 17.0718, 21.7784



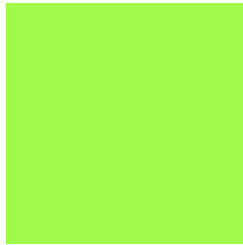
13.8607, 6.0881, 48.4181



1.4060, 0.6269, 4.4901

Previews

White Background



This preview shows how the XYZ color 50.0861, 76.4293, 18.4159 looks on a white background.

Color Contrast Check

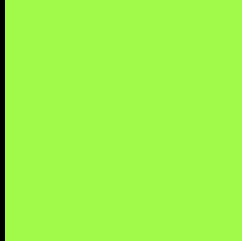
Large Text (above 18pt) WCAG AA × Fail

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 50.0861, 76.4293, 18.4159 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 50.0861, 76.4293, 18.4159

Background



This preview shows how black text looks on a background with the XYZ color 50.0861, 76.4293, 18.4159.



This preview shows how white text looks on a background with the XYZ color 50.0861, 76.4293,

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

50.0861, 76.4293, 18.4159

Protanopia

68.7175, 75.6806, 16.2962

Deuteranopia

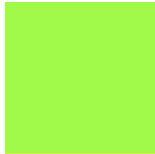
74.3760, 75.4635, 50.1810



Tritanopia

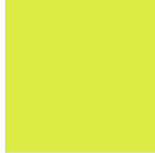
66.9593, 75.7452, 103.1866

Trichromacy



Original Color

50.0861, 76.4293, 18.4159



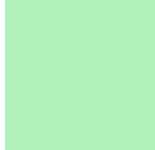
Protanomaly

60.2977, 75.0620, 16.9406



Deuteranomaly

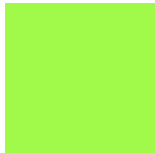
62.9101, 74.3301, 34.6983



Tritanomaly

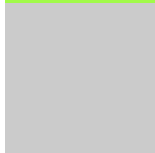
57.9676, 74.6680, 58.3709

Monochromacy



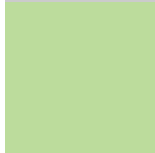
Original Color

50.0861, 76.4293, 18.4159



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.3330, 64.2781, 41.1012

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0861, 76.4293, 18.4159 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(161, 250, 73)` looks like.

```
.text, #text, p{  
    color:rgb(161, 250, 73)  
}
```

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(161, 250, 73) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 250, 73) }
```

Border

The CSS property to change the border of an element to XYZ 50.0861, 76.4293, 18.4159 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(161, 250, 73) }
```


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

```
.border{ border-color:rgb(161, 250, 73) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 250, 73)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 250, 73); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 250, 73);  
box-shadow:4px 4px 4px 4px rgb(161, 250,  
73) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0861, 76.4293, 18.4159 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 250, 73) }
```

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

```
.background{ background-color: rgb(161,  
250, 73) }
```

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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