

Converting Colors

XYZ(50.0182, 76.3770, 17.1031)

Have a look what the booklet for
XYZ(50.0182, 76.3770, 17.1031)
contains.

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Color

**XYZ(50.0400, 76.4343,
17.1169)**

Conversions

Conversions Part 1

Format	Color
Hex	A2FA41
RGB	162, 250, 65
RGB Percent	64%, 98%, 25%
CMY	0.3647, 0.0196, 0.7451
CMYK	0.35, 0.00, 0.74, 0.02
HSL	89°, 95%, 62%
HSV	89°, 74%, 98%
XYZ	50.0400, 76.4343, 17.1169
YIQ	202.5980, 6.9370, -76.1910

Conversions

Conversions Part 2

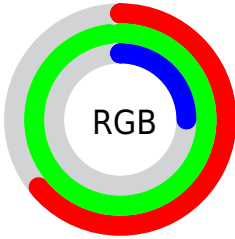
Format	Color
RYB	65, 250, 153
Decimal	10680897
CIELab	90.06, -53.42, 74.92
CIELCh	90, 92.018, 125.490
Yxy	76.4343, 0.3485, 0.5323
Android (android.graphics.Color)	4288870977 (0xFFA2FA41)
YUV	202.5980, -67.8358, -35.6044
Hunter-Lab	87.4267, -50.8296, 49.5906

Details

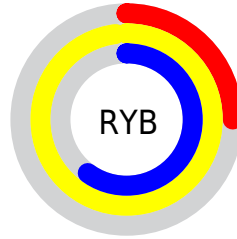
The XYZ color **50.0400, 76.4343, 17.1169** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **32.2862, 17.4575, 92.1149**, and the grayscale version is **56.9235, 59.8879, 65.2179**.

A 20% lighter version of the original color is **69.5859, 88.5303, 32.8225**, and **24.5495, 40.9647, 6.6131** is the 20% darker color. If you saturate the color by 10%, you get **47.1676, 75.0219, 14.0028**, and if you desaturate by 10%, it is **53.4647, 78.0992, 21.9313**.

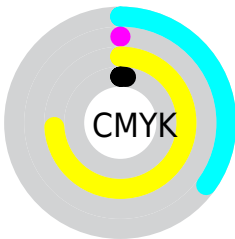
Distribution



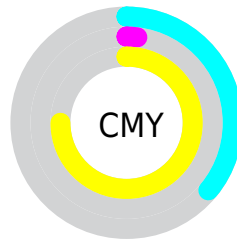
- Red (64%)
- Green (98%)
- Blue (25%)



- Red (25%)
- Yellow (98%)
- Blue (60%)



- Cyan (35%)
- Magenta (0%)
- Yellow (74%)
- Black (2%)





- Cyan (36%)
- Magenta (2%)
- Yellow (75%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0400, 76.4343, 17.1169 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 50.0400, 76.4343, 17.1169 by changing the saturation by 10% instead.


 50.0400, 76.4343,
17.1169


 50.0400, 76.4343,
17.1169


377.2717,
482.8331, 247.9119

 35.6631, 56.7887,
10.1550


 89.4256, 128.3406,
39.3201


 24.3430, 40.8356,
5.3949


 115.1650,
161.3701, 55.3984


 15.7144, 28.1907,
2.4180


 145.4227,
199.6298, 75.3527

 9.4118, 18.4694,
0.7962

 180.5639,
243.5039, 99.6015

 5.0700, 11.2875,
0.0000

 220.9541,
293.3769, 128.5632

 2.3236, 6.2606,
0.0000

266.9585,

 0.8067, 3.0042,

349.6331, 162.6565

0.0000

318.9426,
412.6571, 202.2999

■ 0.0000, 1.1339,
0.0000

■ 0.0000, 0.0067,
0.0000

■ 50.0400, 76.4343,
17.1169

■ 50.0400, 76.4343,
17.1169

■ 47.1676, 75.0219,
14.0028

■ 53.4647, 78.0992,
21.9313


■ 44.7901, 73.8306,
12.3422


■ 57.4799, 80.0248,
28.6389


■ 43.5589, 73.2058,
11.8344

■ 62.1256, 82.2304,
37.4120

■ 67.4362, 84.7304,
48.4020

 73.4431, 87.5379,
61.7464

 80.1756, 90.6653,
77.5714

 87.6609, 94.1241,
95.9941

 93.4773, 96.8546,
108.3758

Harmonies

Analogous

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



68.5315, 76.4343, 10.3469



50.0400, 76.4343, 17.1169



39.5967, 76.4343, 41.2272

Triad

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



50.0400, 76.4343, 17.1169



55.9271, 76.4343, 257.8702



125.6497, 76.4343, 71.7725

Complementary

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



50.0400, 76.4343, 17.1169



32.2862, 17.4575, 92.1149

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.



120.3212, 76.4343, 146.9812



50.0400, 76.4343, 17.1169



76.9272, 76.4343, 281.3869

Square

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



50.0400, 76.4343, 17.1169



42.4640, 76.4343, 179.5494



101.2095, 76.4343, 233.1556



114.5407, 76.4343, 29.5174

Rectangle

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



50.0400, 76.4343, 17.1169



37.1040, 76.4343, 73.7314



101.2095, 76.4343, 233.1556



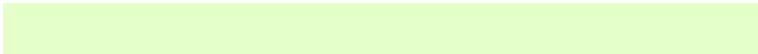
125.7440, 76.4343, 93.4982

Sweetspot

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



50.0418, 76.4376, 17.1186



78.1513, 92.1840, 67.6463



51.5020, 42.9494, 10.5777



16.3380, 19.5497, 13.5846



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.



50.0418, 76.4376, 17.1186



48.0094, 77.8105, 13.5903



37.7529, 70.1025, 16.5434



17.8859, 19.7569, 18.3332



23.2714, 38.9151, 6.2848



2.2778, 3.6673, 0.5878

Inverse Universe

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



32.2862, 17.4575, 92.1149



28.6219, 13.2882, 95.6641



56.3992, 29.8881, 93.2434



17.0685, 17.0479, 21.7763



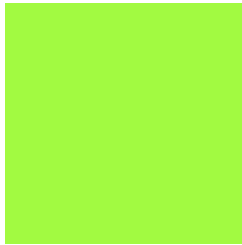
13.3466, 5.8231, 48.3941



1.3576, 0.6020, 4.4878

Previews

White Background



This preview shows how the XYZ color 50.0400, 76.4343, 17.1169 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 50.0400, 76.4343, 17.1169 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 50.0400, 76.4343, 17.1169

Background



This preview shows how black text looks on a background with the XYZ color 50.0400, 76.4343, 17.1169.

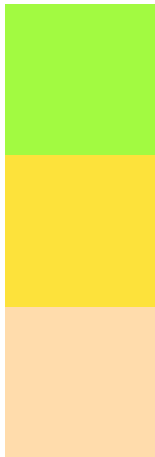


This preview shows how white text looks on a background with the XYZ color 50.0400, 76.4343,

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

50.0400, 76.4343, 17.1169

Protanopia

68.4938, 75.5911, 15.1182

Deuteranopia

74.2796, 75.4250, 49.6732



Tritanopia

67.2031, 75.8709, 103.1980

Trichromacy



Original Color

50.0400, 76.4343, 17.1169



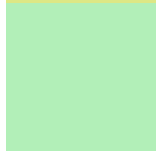
Protanomaly

60.0658, 74.9692, 15.7196



Deuteranomaly

62.6283, 74.2174, 33.2148



Tritanomaly

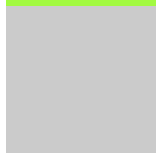
57.8783, 74.6587, 56.7075

Monochromacy



Original Color

50.0400, 76.4343, 17.1169



Achromatopsia

56.7640, 59.7202, 65.0353



Achromatomaly

52.0820, 64.1777, 39.7795

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0400, 76.4343, 17.1169 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(162, 250, 65)` looks like.

```
.text, #text, p{  
    color:rgb(162, 250, 65)  
}
```

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(162, 250, 65) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 250, 65) }
```

Border

The CSS property to change the border of an element to XYZ 50.0400, 76.4343, 17.1169 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(162, 250, 65) }
```


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

```
.border{ border-color:rgb(162, 250, 65) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 250, 65)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 250, 65); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 250, 65);  
box-shadow:4px 4px 4px 4px rgb(162, 250,  
65) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0400, 76.4343, 17.1169 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 250, 65) }
```

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

```
.background{ background-color: rgb(162,  
250, 65) }
```

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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