

Converting Colors

XYZ(43.1674, 64.5501, 15.8147)

Have a look what the booklet for
XYZ(43.1674, 64.5501, 15.8147)
contains.

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Color

**XYZ(43.1677, 64.5501,
15.8145)**

Conversions

Conversions Part 1

Format	Color
Hex	9BE745
RGB	155, 231, 69
RGB Percent	61%, 91%, 27%
CMY	0.3922, 0.0941, 0.7294
CMYK	0.33, 0.00, 0.70, 0.09
HSL	88°, 77%, 59%
HSV	88°, 70%, 91%
XYZ	43.1677, 64.5501, 15.8145
YIQ	189.8080, 6.7060, -66.4940

Conversions

Conversions Part 2

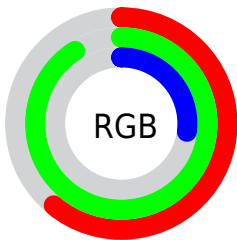
Format	Color
RYB	69, 231, 145
Decimal	10217285
CIELab	84.25, -47.78, 67.72
CIElCh	84, 82.878, 125.208
Yxy	64.5501, 0.3494, 0.5225
Android (android.graphics.Color)	4288407365 (0xFF9BE745)
YUV	189.8080, -59.5583, -30.5266
Hunter-Lab	80.3431, -44.6937, 44.5697

Details

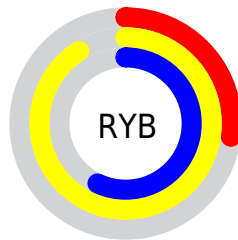
The XYZ color **43.1677, 64.5501, 15.8145** is a light color, and the websafe version is hex **99FF66**. The color can be described as light muted chartreuse. A complement of this color would be **28.2320, 16.0475, 77.2145**, and the grayscale version is **49.1640, 51.7244, 56.3279**.

A 20% lighter version of the original color is **67.2575, 87.3225, 33.0487**, and **20.2597, 33.2013, 5.3407** is the 20% darker color. If you saturate the color by 10%, you get **40.5985, 63.2950, 12.6524**, and if you desaturate by 10%, it is **46.2057, 66.0187, 20.4572**.

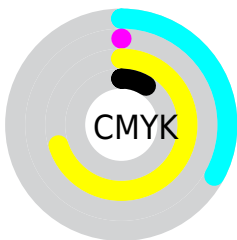
Distribution



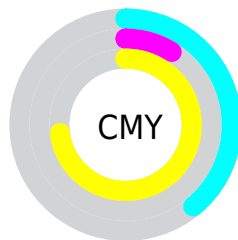
- Red (61%)
- Green (91%)
- Blue (27%)



- Red (27%)
- Yellow (91%)
- Blue (57%)



- Cyan (33%)
- Magenta (0%)
- Yellow (70%)
- Black (9%)





- Cyan (39%)
- Magenta (9%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 43.1677, 64.5501, 15.8145 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 43.1677, 64.5501, 15.8145 by changing the saturation by 10% instead.


 43.1677, 64.5501,
15.8145


 43.1677, 64.5501,
15.8145


350.2108,
441.1735, 240.0528


 30.2118, 47.0964,
9.2401


 79.2180, 111.4028,
37.0382


 20.1483, 33.1118,
4.7991


 103.0431,
141.5705, 52.5245


 12.6118, 22.2121,
2.0732


 131.2220,
176.7451, 71.8185

 7.2369, 14.0129,
0.5998

 164.1201,
217.3108, 95.3387

 3.6583, 8.1296,
0.0000

 202.1026,
263.6521, 123.5037

 1.5107, 4.1780,
0.0000

245.5350,

 0.3331, 1.7736,

316.1534, 156.7321

0.0000

294.7826,
375.1990, 195.4422

0.0000, 0.4707,
0.0000

0.0000, 0.0000,
0.0000

43.1677, 64.5501,
15.8145

43.1677, 64.5501,
15.8145

40.5985, 63.2950,
12.6524

46.2057, 66.0187,
20.4572


38.4541, 62.2286,
10.7850


49.7415, 67.7063,
26.7291


36.6920, 61.3379,
9.9055


53.8066, 69.6283,
34.7653


58.4280, 71.7959,
44.6857

 63.6308, 74.2198,
56.5995

 69.4382, 76.9095,
70.6078

 75.8720, 79.8744,
86.8048

 82.9529, 83.1232,
105.2787

 86.9690, 85.1715,
106.4637

Harmonies

Analogous

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



58.2041, 64.5501, 10.0253



43.1677, 64.5501, 15.8145



34.5613, 64.5501, 35.8423

Triad

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



43.1677, 64.5501, 15.8145



47.7086, 64.5501, 207.8166



103.6511, 64.5501, 61.5009

Complementary

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



43.1677, 64.5501, 15.8145



28.2320, 16.0475, 77.2145

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.



99.3048, 64.5501, 121.7737



43.1677, 64.5501, 15.8145



64.6133, 64.5501, 226.6971

Square

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



43.1677, 64.5501, 15.8145



36.7932, 64.5501, 146.1717



84.0393, 64.5501, 189.4792



94.9528, 64.5501, 26.6239

Rectangle

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



43.1677, 64.5501, 15.8145



32.4699, 64.5501, 62.1717



84.0393, 64.5501, 189.4792



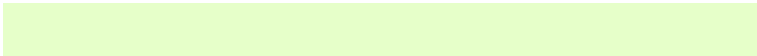
103.6827, 64.5501, 79.0731

Sweetspot

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



43.1692, 64.5529, 15.8159



78.9490, 92.5607, 69.2412



44.0962, 37.5499, 10.5549



16.4999, 19.6265, 13.8947



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.



43.1692, 64.5529, 15.8159



49.5793, 78.5983, 14.6375



32.5071, 59.0564, 15.3169



14.9161, 16.4638, 15.2961



20.7138, 34.4598, 5.5597



1.6377, 2.6017, 0.4159

Inverse Universe

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



28.2320, 16.0475, 77.2145



29.8710, 14.4808, 95.8284



47.7933, 26.1318, 78.1300



14.2226, 14.2170, 18.1389



11.7197, 5.1076, 42.7513



0.9725, 0.4323, 3.1642

Previews

White Background



This preview shows how the XYZ color 43.1677, 64.5501, 15.8145 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 43.1677, 64.5501, 15.8145 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 43.1677, 64.5501, 15.8145

Background



This preview shows how black text looks on a background with the XYZ color 43.1677, 64.5501, 15.8145.



This preview shows how white text looks on a background with the XYZ color 43.1677, 64.5501,

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

43.1677, 64.5501, 15.8145

Protanopia

57.8755, 63.9445, 13.9948

Deuteranopia

64.5481, 63.6301, 22.7897



Tritanopia

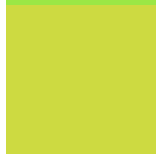
57.3953, 64.3420, 86.4850

Trichromacy



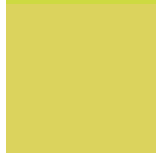
Original Color

43.1677, 64.5501, 15.8145



Protanomaly

51.2024, 63.5036, 14.5598



Deuteranomaly

54.4835, 62.4389, 19.5363



Tritanomaly

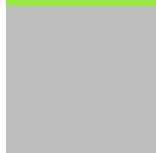
49.7615, 63.1650, 49.1045

Monochromacy



Original Color

43.1677, 64.5501, 15.8145



Achromatopsia

48.9429, 51.4918, 56.0745



Achromatomaly

45.1511, 55.0851, 35.4469

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.1677, 64.5501, 15.8145 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(155, 231, 69)` looks like.

```
.text, #text, p{  
    color:rgb(155, 231, 69)  
}
```

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(155, 231, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 231, 69) }
```

Border

The CSS property to change the border of an element to XYZ 43.1677, 64.5501, 15.8145 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(155, 231, 69) }
```


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

```
.border{ border-color:rgb(155, 231, 69) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 231, 69)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 231, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 231, 69);  
box-shadow:4px 4px 4px 4px rgb(155, 231,  
69) }
```

Background

The CSS property to change the background color of an element to XYZ 43.1677, 64.5501, 15.8145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 231, 69) }
```

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

```
.background{ background-color: rgb(155,  
231, 69) }
```

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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