

Converting Colors

XYZ(46.1798, 63.3679, 43.9515)

Have a look what the booklet for
XYZ(46.1798, 63.3679, 43.9515)
contains.

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Color

**XYZ(46.2956, 63.4854,
43.9963)**

Conversions

Conversions Part 1

Format	Color
Hex	96E2A2
RGB	150, 226, 162
RGB Percent	59%, 89%, 64%
CMY	0.4118, 0.1137, 0.3647
CMYK	0.34, 0.00, 0.28, 0.11
HSL	129°, 57%, 74%
HSV	129°, 34%, 89%
XYZ	46.2956, 63.4854, 43.9963
YIQ	195.9800, -24.7520, -36.0160

Conversions

Conversions Part 2

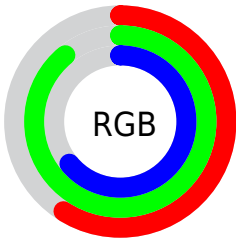
Format	Color
RYB	150, 216, 226
Decimal	9888418
CIELab	83.70, -36.33, 24.03
CIELCh	84, 43.556, 146.513
Yxy	63.4854, 0.3011, 0.4128
Android (android.graphics.Color)	4288078498 (0xFF96E2A2)
YUV	195.9800, -16.7521, -40.3245
Hunter-Lab	79.6777, -35.7212, 23.0358

Details

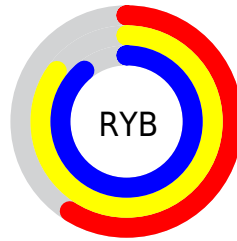
The XYZ color **46.2956, 63.4854, 43.9963** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **54.4100, 42.8378, 69.0215**, and the grayscale version is **52.5666, 55.3042, 60.2263**.

A 20% lighter version of the original color is **73.7380, 89.6516, 79.0637**, and **22.0131, 32.3620, 19.8381** is the 20% darker color. If you saturate the color by 10%, you get **40.9655, 60.9203, 35.5745**, and if you desaturate by 10%, it is **52.6872, 66.5717, 53.8070**.

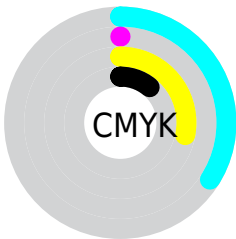
Distribution



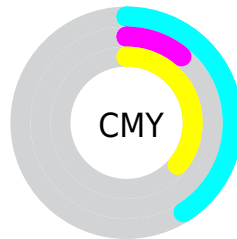
- Red (59%)
- Green (89%)
- Blue (64%)



- Red (59%)
- Yellow (85%)
- Blue (89%)



- Cyan (34%)
- Magenta (0%)
- Yellow (28%)
- Black (11%)





- Cyan (41%)
- Magenta (11%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2956, 63.4854, 43.9963 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 46.2956, 63.4854, 43.9963 by changing the saturation by 10% instead.


 46.2956, 63.4854,
43.9963


 46.2956, 63.4854,
43.9963


362.6918,
437.3290, 378.7341

 32.6848, 46.2340,
30.3304


 83.8864, 109.8695,
82.5146

 22.0431, 32.4305,
19.8354


 108.5970,
139.7710, 108.2041

 14.0054, 21.6905,
12.0925


137.7383,
174.6580, 138.7385

 8.2061, 13.6297,
6.6834

171.6756,
214.9148, 174.5365

 4.2800, 7.8636,
3.1895

210.7742,
260.9260, 216.0165

 1.8618, 4.0078,
1.1922

255.3996,

 0.5545, 1.6779,

313.0758, 263.5971

0.0000

305.9170,
371.7486, 317.6967

■ 0.0000, 0.4093,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2956, 63.4854,
43.9963

■ 46.2956, 63.4854,
43.9963

■ 40.9655, 60.9203,
35.5745

■ 52.6872, 66.5717,
53.8070

■ 36.6341, 58.8401,
28.4749

■ 60.1885, 70.1975,
65.0611

■ 33.2397, 57.2160,
22.6314

■ 68.8510, 74.3898,
77.8150

■ 30.7116, 56.0133,
17.9707

■ 78.7214, 79.1717,
92.1212

■ 28.9689, 55.1919,
14.4118

■ 86.4876, 82.8752,
106.0459

■ 27.9146, 54.7036,
11.8635

■ 27.5113, 54.5207,
10.7176

Harmonies

Analogous

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



52.5154, 63.4854, 31.9595



46.2956, 63.4854, 43.9963



43.8172, 63.4854, 65.9776

Triad

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



46.2956, 63.4854, 43.9963



59.2318, 63.4854, 135.9596



78.2936, 63.4854, 48.2210

Complementary

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



46.2956, 63.4854, 43.9963



54.4100, 42.8378, 69.0215

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.



80.5704, 63.4854, 72.3705



46.2956, 63.4854, 43.9963



68.9077, 63.4854, 127.6140

Square

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



46.2956, 63.4854, 43.9963



50.7730, 63.4854, 122.8642



76.9735, 63.4854, 102.3604



71.0412, 63.4854, 33.9089

Rectangle

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



46.2956, 63.4854, 43.9963



44.4037, 63.4854, 85.1619



76.9735, 63.4854, 102.3604



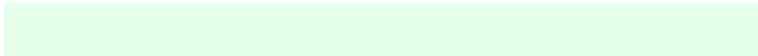
79.6972, 63.4854, 55.2391

Sweetspot

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



46.2973, 63.4881, 43.9977



83.0162, 94.1737, 91.2876



60.6109, 70.9845, 39.3615



17.4341, 19.9951, 19.0446



0.0000, 0.0000, 0.0000



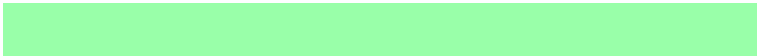
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



46.2973, 63.4881, 43.9977



56.0683, 81.1609, 50.2988



50.1312, 65.0216, 64.1869



13.6166, 15.3724, 15.0162



15.7225, 31.1139, 6.2619



1.1174, 2.1677, 0.5792

Inverse Universe

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



54.4100, 42.8378, 69.0215



68.1956, 50.2682, 87.6877



50.1682, 41.1410, 46.6843



14.1972, 13.8965, 16.8084



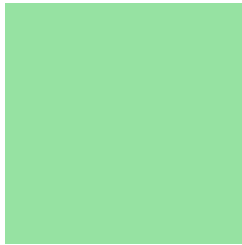
23.2517, 11.3677, 29.0551



1.6370, 0.7981, 2.1473

Previews

White Background



This preview shows how the XYZ color 46.2956, 63.4854, 43.9963 looks on a white background.

Color Contrast Check

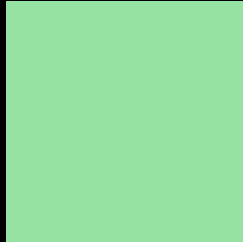
Large Text (above 18pt) WCAG AA × Fail

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 46.2956, 63.4854, 43.9963 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 46.2956, 63.4854, 43.9963

Background



This preview shows how black text looks on a background with the XYZ color 46.2956, 63.4854, 43.9963.



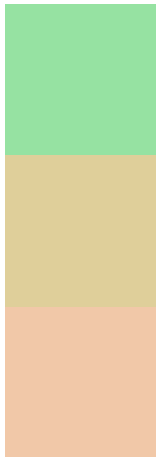
This preview shows how white text looks on a background with the XYZ color 46.2956, 63.4854,

43.9963.

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

46.2956, 63.4854, 43.9963

Protanopia

58.5770, 62.6467, 39.5765

Deuteranopia

63.9978, 62.8365, 45.8014



Tritanopia

54.9740, 63.4587, 87.1932

Trichromacy



Original Color

46.2956, 63.4854, 43.9963



Protanomaly

52.8973, 62.2632, 41.1283



Deuteranomaly

55.6958, 61.7640, 45.0626



Tritanomaly

51.2764, 63.1114, 69.1537

Monochromacy



Original Color

46.2956, 63.4854, 43.9963



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.5550, 57.6700, 53.8670

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2956, 63.4854, 43.9963 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(150, 226, 162)` looks like.

```
.text, #text, p{  
    color:rgb(150, 226, 162)  
}
```

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(150, 226, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 226, 162) }
```

Border

The CSS property to change the border of an element to XYZ 46.2956, 63.4854, 43.9963 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(150, 226, 162) }
```


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

```
.border{ border-color:rgb(150, 226, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 226, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(150, 226, 162); -webkit-box-shadow:4px 4px 4px 4px rgb(150, 226, 162); box-shadow:4px 4px 4px 4px rgb(150, 226, 162) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2956, 63.4854, 43.9963 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 226, 162) }
```

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

```
.background{ background-color: rgb(150,  
226, 162) }
```

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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