

Converting Colors

XYZ(46.3785, 63.4837, 41.7266)

Have a look what the booklet for
XYZ(46.3785, 63.4837, 41.7266)
contains.

XYZ(46.4190, 63.5993, 41.7276)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.4190, 63.5993,
41.7276)**

Conversions

Conversions Part 1

Format	Color
Hex	99E29D
RGB	153, 226, 157
RGB Percent	60%, 89%, 62%
CMY	0.4000, 0.1137, 0.3843
CMYK	0.32, 0.00, 0.31, 0.11
HSL	123°, 56%, 74%
HSV	123°, 32%, 89%
XYZ	46.4190, 63.5993, 41.7276
YIQ	196.3070, -21.3590, -36.9350

Conversions

Conversions Part 2

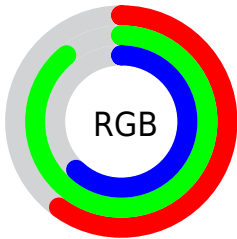
Format	Color
RYB	153, 222, 226
Decimal	10085021
CIELab	83.76, -36.23, 26.72
CIELCh	84, 45.022, 143.592
Yxy	63.5993, 0.3059, 0.4191
Android (android.graphics.Color)	4288275101 (0xFF99E29D)
YUV	196.3070, -19.3784, -37.9802
Hunter-Lab	79.7492, -35.6629, 24.8018

Details

The XYZ color **46.4190, 63.5993, 41.7276** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **55.9422, 44.2264, 74.6978**, and the grayscale version is **52.7769, 55.5254, 60.4672**.

A 20% lighter version of the original color is **73.9382, 89.8288, 75.7291**, and **22.0701, 32.4220, 18.4595** is the 20% darker color. If you saturate the color by 10%, you get **40.8835, 60.9401, 32.7666**, and if you desaturate by 10%, it is **53.0846, 66.8079, 52.4087**.

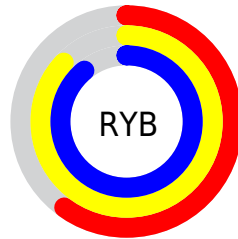
Distribution



Red (60%)

Green (89%)

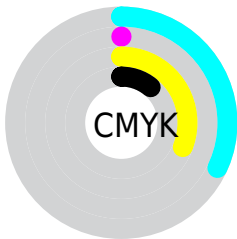
Blue (62%)



Red (60%)

Yellow (87%)

Blue (89%)

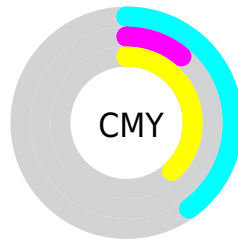


Cyan (32%)

Magenta (0%)

Yellow (31%)

Black (11%)



Cyan (40%)


Magenta (11%)


Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.4190, 63.5993, 41.7276 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 46.4190, 63.5993, 41.7276 by changing the saturation by 10% instead.


 46.4190, 63.5993,
41.7276


 46.4190, 63.5993,
41.7276


363.1784,
437.7412, 369.1188

 32.7826, 46.3262,
28.5641


 84.0698, 110.0337,
79.0528

 22.1184, 32.5033,
18.5086


 108.8148,
139.9637, 104.0516

 14.0610, 21.7462,
11.1425

137.9935,
174.8816, 133.8326

 8.2451, 13.6705,
6.0474

171.9711,
215.1716, 168.8142

 4.3053, 7.8919,
2.8047

211.1131,
261.2181, 209.4151

 1.8763, 4.0258,
0.9958

255.7847,

 0.5630, 1.6880,

313.4057, 256.0538

0.0000

306.3514,
372.1186, 309.1489

0.0000, 0.4159,
0.0000

0.0000, 0.0000,
0.0000

46.4190, 63.5993,
41.7276

46.4190, 63.5993,
41.7276

40.8835, 60.9401,
32.7666

53.0846, 66.8079,
52.4087

36.4108, 58.7921,
25.4318

60.9329, 70.5857,
64.8886

32.9342, 57.1247,
19.6269

70.0191, 74.9615,
79.2464

30.3772, 55.9009,
15.2439

80.3936, 79.9595,
95.5552

■ 28.6525, 55.0782,
12.1605

■ 86.4876, 82.8752,
106.0459

■ 27.6556, 54.6059,
10.2339

■ 27.2663, 54.4227,
9.4279

Harmonies

Analogous

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



53.1637, 63.5993, 30.4126



46.4190, 63.5993, 41.7276



43.4751, 63.5993, 63.3555

Triad

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



46.4190, 63.5993, 41.7276



58.3548, 63.5993, 138.5656



79.5732, 63.5993, 49.6849

Complementary

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



46.4190, 63.5993, 41.7276



55.9422, 44.2264, 74.6978

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.



81.3501, 63.5993, 75.4967



46.4190, 63.5993, 41.7276



68.3717, 63.5993, 131.9941

Square

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



46.4190, 63.5993, 41.7276



49.8652, 63.5993, 122.8825



77.0550, 63.5993, 106.7990



72.4340, 63.5993, 34.0555

Rectangle

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



46.4190, 63.5993, 41.7276



43.8077, 63.5993, 82.8312



77.0550, 63.5993, 106.7990



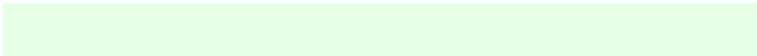
80.8475, 63.5993, 57.2388

Sweetspot

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



46.4206, 63.6020, 41.7290



82.6422, 94.0241, 89.3182



63.1803, 72.2807, 40.7591



17.3445, 19.9592, 18.5725



0.0000, 0.0000, 0.0000



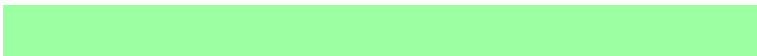
20.3446, 21.4041, 23.3091

Same Dimension

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



46.4206, 63.6020, 41.7290



55.8164, 81.1163, 46.4336



49.9774, 65.0247, 60.4585



13.5591, 15.3494, 14.7134



15.5684, 31.0522, 5.4500



1.0900, 2.1567, 0.4351

Inverse Universe

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



55.9422, 44.2264, 74.6978



70.2378, 51.7601, 96.3614



51.6041, 42.4912, 51.8541



14.2609, 13.9220, 17.1440



24.8043, 11.9887, 37.2309



1.7294, 0.8350, 2.6336

Previews

White Background



This preview shows how the XYZ color 46.4190, 63.5993, 41.7276 looks on a white background.

Color Contrast Check

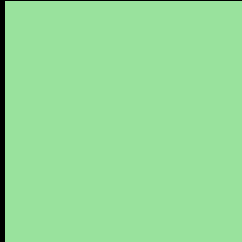
Large Text (above 18pt) WCAG AA × Fail

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 46.4190, 63.5993, 41.7276 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 46.4190, 63.5993, 41.7276

Background



This preview shows how black text looks on a background with the XYZ color 46.4190, 63.5993, 41.7276.



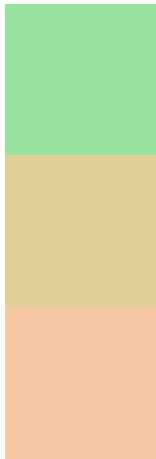
This preview shows how white text looks on a background with the XYZ color 46.4190, 63.5993,

41.7276.

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
46.4190, 63.5993, 41.7276
Protanopia
58.7212, 63.1290, 37.5239
Deuteranopia
64.2273, 63.0076, 43.4269



Tritanopia

55.3435, 63.2677, 87.1369

Trichromacy



Original Color

46.4190, 63.5993, 41.7276



Protanomaly

53.2566, 62.8736, 39.0347



Deuteranomaly

55.8118, 61.8758, 42.7198



Tritanomaly

51.6341, 63.3240, 67.8939

Monochromacy



Original Color

46.4190, 63.5993, 41.7276



Achromatopsia

52.4687, 55.2011, 60.1140



Achromatomaly

49.5787, 57.7063, 52.7813

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.4190, 63.5993, 41.7276 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(153, 226, 157)` looks like.

```
.text, #text, p{  
    color:rgb(153, 226, 157)  
}
```

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(153, 226, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(153, 226, 157) }
```

Border

The CSS property to change the border of an element to XYZ 46.4190, 63.5993, 41.7276 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(153, 226, 157) }
```


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

```
.border{ border-color:rgb(153, 226, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(153, 226, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(153, 226, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(153, 226, 157);  
box-shadow:4px 4px 4px 4px rgb(153, 226,  
157) }
```

Background

The CSS property to change the background color of an element to XYZ 46.4190, 63.5993, 41.7276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(153, 226, 157) }
```

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

```
.background{ background-color: rgb(153,  
226, 157) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor