

Converting Colors

XYZ(46.6406, 57.5342, 41.4516)

Have a look what the booklet for
XYZ(46.6406, 57.5342, 41.4516)
contains.

XYZ(46.5382, 57.4806, 41.4429)	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(46.5382, 57.4806,
41.4429)**

Conversions

Conversions Part 1

Format	Color
Hex	ADD29F
RGB	173, 210, 159
RGB Percent	68%, 82%, 62%
CMY	0.3216, 0.1765, 0.3765
CMYK	0.18, 0.00, 0.24, 0.18
HSL	104°, 36%, 72%
HSV	104°, 24%, 82%
XYZ	46.5382, 57.4806, 41.4429
YIQ	193.1230, -5.6810, -23.7050

Conversions

Conversions Part 2

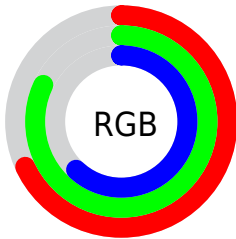
Format	Color
RYB	159, 210, 196
Decimal	11391647
CIELab	80.45, -21.64, 21.35
CIELCh	80, 30.400, 135.387
Yxy	57.4806, 0.3199, 0.3952
Android (android.graphics.Color)	4289581727 (0xFFADD29F)
YUV	193.1230, -16.8226, -17.6479
Hunter-Lab	75.8160, -23.1091, 20.6618

Details

The XYZ color **46.5382, 57.4806, 41.4429** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **46.7982, 41.1867, 66.4591**, and the grayscale version is **50.8604, 53.5091, 58.2714**.

A 20% lighter version of the original color is **80.2107, 93.0331, 77.3480**, and **22.1209, 28.4973, 18.2446** is the 20% darker color. If you saturate the color by 10%, you get **41.6896, 55.1757, 32.4980**, and if you desaturate by 10%, it is **52.0837, 60.1124, 52.0390**.

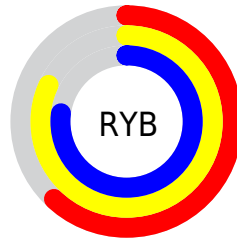
Distribution



Red (68%)

Green (82%)

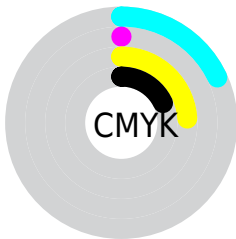
Blue (62%)



Red (62%)

Yellow (82%)

Blue (77%)

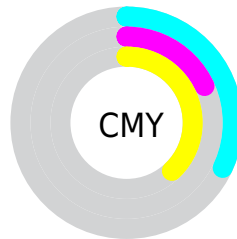


Cyan (18%)

Magenta (0%)

Yellow (24%)

Black (18%)



Cyan (32%)

Magenta (18%)

Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 46.5382, 57.4806, 41.4429 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 46.5382, 57.4806, 41.4429 by changing the saturation by 10% instead.


 46.5382, 57.4806,
41.4429


 46.5382, 57.4806,
41.4429


363.6480,
415.2477, 367.8996

 32.8771, 41.3912,
28.3430


 84.2468, 101.1661,
78.6167

 22.1911, 28.6249,
18.3431


 109.0251,
129.5310, 103.5278

 14.1148, 18.7973,
11.0246


138.2399,
162.7566, 133.2129

 8.2828, 11.5239,
5.9690

172.2564,
201.2272, 168.0908

 4.3298, 6.4204,
2.7578

211.4402,
245.3272, 208.5798

 1.8903, 3.1023,
0.9723

256.1564,

 0.5712, 1.1854,

295.4410, 255.0986

0.0000

306.7706,
351.9531, 308.0657

■ 0.0000, 0.0497,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.5382, 57.4806,
41.4429

■ 46.5382, 57.4806,
41.4429

■ 41.6896, 55.1757,
32.4980

■ 52.0837, 60.1124,
52.0390

■ 37.5049, 53.1775,
25.1175

■ 58.3484, 63.0757,
64.3596

■ 33.9551, 51.4745,
19.2124

■ 65.3591, 66.3846,
78.4782

■ 31.0070, 50.0519,
14.6834

■ 73.1399, 70.0500,
94.4630

■ 28.6242, 48.8933,
11.4187

■ 80.2297, 73.4887,
104.5639

■ 26.7658, 47.9805,
9.2892

■ 82.3377, 74.5754,
104.6626

■ 25.3843, 47.2923,
8.1382

■ 24.7719, 46.9843,
7.7633

Harmonies

Analogous

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



51.5147, 57.4806, 34.9831



46.5382, 57.4806, 41.4429



43.8375, 57.4806, 54.3205

Triad

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



46.5382, 57.4806, 41.4429



51.6654, 57.4806, 102.0224



67.0228, 57.4806, 53.9135

Complementary

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



46.5382, 57.4806, 41.4429



46.7982, 41.1867, 66.4591

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.



67.0709, 57.4806, 71.6515



46.5382, 57.4806, 41.4429



57.8758, 57.4806, 101.8561

Square

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



46.5382, 57.4806, 41.4429



46.6413, 57.4806, 90.3388



63.6172, 57.4806, 89.9202



63.4904, 57.4806, 41.1940

Rectangle

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



46.5382, 57.4806, 41.4429



43.5491, 57.4806, 65.8649



63.6172, 57.4806, 89.9202



67.4554, 57.4806, 59.4189

Sweetspot

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



46.5397, 57.4831, 41.4442



87.7029, 96.5292, 94.2453



52.4772, 55.4844, 40.7454



18.6422, 20.5998, 19.9159



0.0000, 0.0000, 0.0000



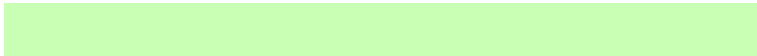
20.3446, 21.4041, 23.3091

Same Dimension

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



46.5397, 57.4831, 41.4442



68.2866, 87.3240, 56.9991



44.6068, 56.3708, 46.5858



11.9565, 13.3610, 12.5608



15.1936, 28.7015, 4.7392



0.9267, 1.6446, 0.2686

Inverse Universe

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



46.7982, 41.1867, 66.4591



68.7467, 57.8996, 102.1601



49.2816, 42.6206, 59.6340



11.9812, 11.8391, 14.8974



15.1368, 6.9836, 37.7427



0.9206, 0.4288, 2.1138

Previews

White Background



This preview shows how the XYZ color 46.5382, 57.4806, 41.4429 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 46.5382, 57.4806, 41.4429 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 46.5382, 57.4806, 41.4429

Background



This preview shows how black text looks on a background with the XYZ color 46.5382, 57.4806, 41.4429.



This preview shows how white text looks on a background with the XYZ color 46.5382, 57.4806,

41.4429.

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



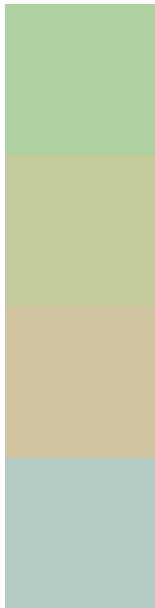
Original Color
46.5382, 57.4806, 41.4429
Protanopia
53.4075, 57.1770, 38.7932
Deuteranopia
58.1967, 56.8949, 42.5648



Tritanopia

53.0668, 57.2481, 74.5827

Trichromacy



Original Color

46.5382, 57.4806, 41.4429

Protanomaly

50.6454, 57.1179, 39.8081

Deuteranomaly

53.2940, 56.6984, 42.3174

Tritanomaly

50.4998, 57.2776, 61.2174

Monochromacy



Original Color

46.5382, 57.4806, 41.4429

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0136, 54.6221, 51.6759

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5382, 57.4806, 41.4429 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(173, 210, 159)` looks like.

```
.text, #text, p{  
    color:rgb(173, 210, 159)  
}
```

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(173, 210, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 210, 159) }
```

Border

The CSS property to change the border of an element to XYZ 46.5382, 57.4806, 41.4429 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(173, 210, 159) }
```


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

```
.border{ border-color:rgb(173, 210, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 210, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(173, 210, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(173, 210, 159); box-shadow:4px 4px 4px 4px rgb(173, 210, 159) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5382, 57.4806, 41.4429 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 210, 159) }
```

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

```
.background{ background-color: rgb(173,  
210, 159) }
```

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