

Converting Colors

XYZ(46.2314, 57.1950, 46.8851)

Have a look what the booklet for
XYZ(46.2314, 57.1950, 46.8851)
contains.

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Color

**XYZ(46.3336, 57.2490,
47.1362)**

Conversions

Conversions Part 1

Format	Color
Hex	A7D2AB
RGB	167, 210, 171
RGB Percent	65%, 82%, 67%
CMY	0.3451, 0.1765, 0.3294
CMYK	0.20, 0.00, 0.19, 0.18
HSL	126°, 32%, 74%
HSV	126°, 20%, 82%
XYZ	46.3336, 57.2490, 47.1362
YIQ	192.6970, -13.1090, -21.2450

Conversions

Conversions Part 2

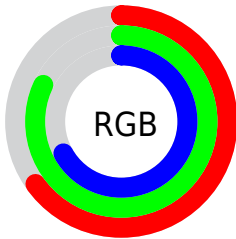
Format	Color
RYB	167, 206, 210
Decimal	10998443
CIELab	80.32, -21.66, 14.77
CIELCh	80, 26.217, 145.707
Yxy	57.2490, 0.3074, 0.3798
Android (android.graphics.Color)	4289188523 (0xFFA7D2AB)
YUV	192.6970, -10.6966, -22.5363
Hunter-Lab	75.6631, -23.1028, 16.0280

Details

The XYZ color **46.3336, 57.2490, 47.1362** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **51.5396, 45.7965, 64.5181**, and the grayscale version is **50.5782, 53.2122, 57.9481**.

A 20% lighter version of the original color is **79.9189, 92.6990, 85.6320**, and **21.9905, 28.3520, 21.7662** is the 20% darker color. If you saturate the color by 10%, you get **40.5657, 54.4721, 38.0626**, and if you desaturate by 10%, it is **53.0867, 60.5069, 57.6240**.

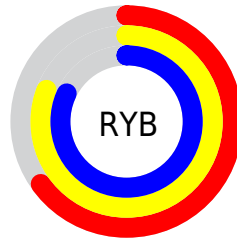
Distribution



Red (65%)

Green (82%)

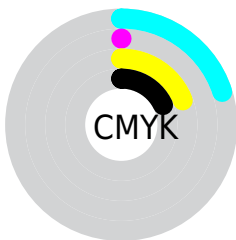
Blue (67%)



Red (65%)

Yellow (81%)

Blue (82%)

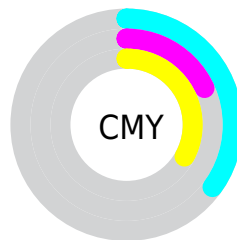


Cyan (20%)

Magenta (0%)

Yellow (19%)

Black (18%)



Cyan (35%)


Magenta (18%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3336, 57.2490, 47.1362 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 46.3336, 57.2490, 47.1362 by changing the saturation by 10% instead.


 46.3336, 57.2490,
47.1362

 46.3336, 57.2490,
47.1362


362.8417,
414.3817, 391.7674

 32.7149, 41.2052,
32.7882


 83.9429, 100.8284,
87.2690

 22.0663, 28.4794,
21.6945


 108.6641,
129.1328, 113.8909

 14.0225, 18.6874,
13.4364


137.8169,
162.2929, 145.4412

 8.2181, 11.4446,
7.5955

171.7666,
200.6930, 182.3384

 4.2878, 6.3667,
3.7532

210.8786,
244.7175, 225.0011

 1.8662, 3.0693,
1.4909

255.5182,

 0.5571, 1.1680,

294.7509, 273.8478

0.2112

306.0508,
351.1775, 329.2971

■ 0.0000, 0.0354,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3336, 57.2490,
47.1362

■ 46.3336, 57.2490,
47.1362

■ 40.5657, 54.4721,
38.0626

■ 53.0867, 60.5069,
57.6240

■ 35.7325, 52.1464,
30.3391

■ 60.8632, 64.2592,
69.5788

■ 31.7860, 50.2503,
23.9023

■ 69.7049, 68.5282,
83.0555

■ 28.6721, 48.7573,
18.6824

■ 79.6500, 73.3323,
98.1048

■ 26.3307, 47.6382,
14.6026

■ 82.3377, 74.5755,
104.6626

■ 24.6937, 46.8595,
11.5779

■ 23.6808, 46.3820,
9.5109

■ 23.1699, 46.1444,
8.3260

Harmonies

Analogous

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



50.0634, 57.2490, 39.3382



46.3336, 57.2490, 47.1362



44.7677, 57.2490, 60.1503

Triad

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



46.3336, 57.2490, 47.1362



53.6454, 57.2490, 96.6520



64.2401, 57.2490, 50.3856

Complementary

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



46.3336, 57.2490, 47.1362



51.5396, 45.7965, 64.5181

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.



65.3539, 57.2490, 64.5708



46.3336, 57.2490, 47.1362



59.0085, 57.2490, 92.8984

Square

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



46.3336, 57.2490, 47.1362



48.8096, 57.2490, 90.0444



63.3819, 57.2490, 80.4918



60.4307, 57.2490, 40.9869

Rectangle

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



46.3336, 57.2490, 47.1362



45.0810, 57.2490, 70.6729



63.3819, 57.2490, 80.4918



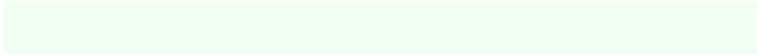
64.9525, 57.2490, 54.6790

Sweetspot

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



46.3351, 57.2514, 47.1375



87.4890, 96.3511, 97.3022



55.5935, 62.0677, 45.6098



18.5578, 20.5418, 20.5675



0.0000, 0.0000, 0.0000



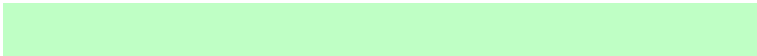
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3351, 57.2514, 47.1375



67.4076, 86.6683, 66.1080



48.5083, 58.1207, 58.5812



11.7003, 13.2239, 12.7784



14.1491, 28.1526, 5.1652



0.8068, 1.5804, 0.3715

Inverse Universe

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



51.5396, 45.7965, 64.5181



77.0350, 65.4746, 98.2566



49.1470, 44.8394, 51.9187



12.2614, 11.9893, 14.6523



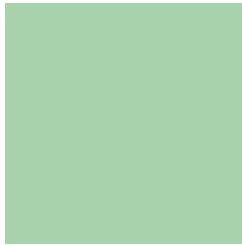
21.9326, 10.6459, 30.8811



1.2405, 0.6009, 1.8012

Previews

White Background



This preview shows how the XYZ color 46.3336, 57.2490, 47.1362 looks on a white background.

Color Contrast Check

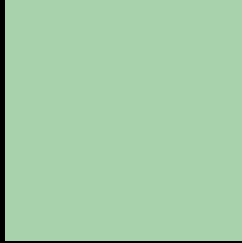
Large Text (above 18pt) WCAG AA × Fail

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 46.3336, 57.2490, 47.1362 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 46.3336, 57.2490, 47.1362

Background



This preview shows how black text looks on a background with the XYZ color 46.3336, 57.2490, 47.1362.

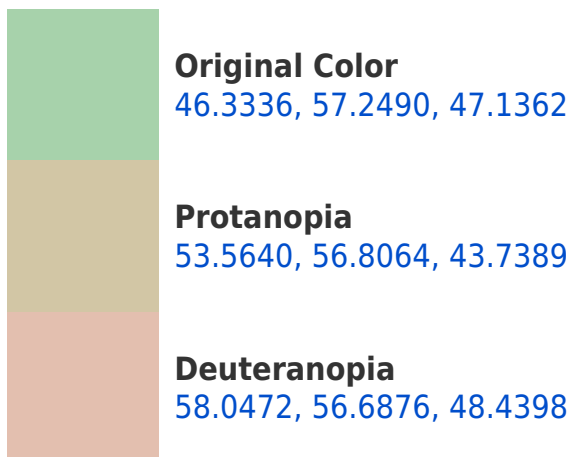


This preview shows how white text looks on a background with the XYZ color 46.3336, 57.2490,

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





Tritanopia

51.9534, 56.9931, 75.9727

Trichromacy



Original Color

46.3336, 57.2490, 47.1362

Protanomaly

50.3437, 56.5004, 44.8115

Deuteranomaly

53.0109, 56.4233, 48.1412

Tritanomaly

49.7452, 57.1775, 64.2916

Monochromacy



Original Color

46.3336, 57.2490, 47.1362

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

48.9475, 54.5400, 53.8464

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3336, 57.2490, 47.1362 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(167, 210, 171)` looks like.

```
.text, #text, p{  
    color:rgb(167, 210, 171)  
}
```

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(167, 210, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 210, 171) }
```

Border

The CSS property to change the border of an element to XYZ 46.3336, 57.2490, 47.1362 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(167, 210, 171) }
```


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

```
.border{ border-color:rgb(167, 210, 171) }
```

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

Here you see how a box with a 4 pixel rgb(167, 210, 171) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 210, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 210, 171);  
box-shadow:4px 4px 4px 4px rgb(167, 210,  
171) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3336, 57.2490, 47.1362 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 210, 171) }
```

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

```
.background{ background-color: rgb(167,  
210, 171) }
```

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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