

Converting Colors

XYZ(46.3084, 58.8038, 37.5579)

Have a look what the booklet for
XYZ(46.3084, 58.8038, 37.5579)
contains.

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Color

**XYZ(46.3462, 58.9531,
37.7905)**

Conversions

Conversions Part 1

Format	Color
Hex	ABD696
RGB	171, 214, 150
RGB Percent	67%, 84%, 59%
CMY	0.3294, 0.1608, 0.4118
CMYK	0.20, 0.00, 0.30, 0.16
HSL	100°, 44%, 71%
HSV	100°, 30%, 84%
XYZ	46.3462, 58.9531, 37.7905
YIQ	193.8470, -5.0840, -29.0200

Conversions

Conversions Part 2

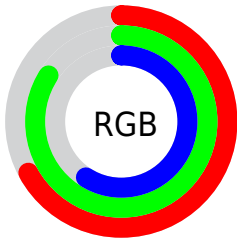
Format	Color
RYB	150, 214, 193
Decimal	11261590
CIELab	81.27, -25.70, 27.15
CIELCh	81, 37.385, 133.435
Yxy	58.9531, 0.3239, 0.4120
Android (android.graphics.Color)	4289451670 (0xFFABD696)
YUV	193.8470, -21.6166, -20.0368
Hunter-Lab	76.7809, -26.6211, 24.5649

Details

The XYZ color **46.3462, 58.9531, 37.7905** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **45.0387, 38.0068, 68.5838**, and the grayscale version is **51.3150, 53.9873, 58.7922**.

A 20% lighter version of the original color is **78.4580, 92.2587, 71.4301**, and **22.1215, 29.5487, 16.3419** is the 20% darker color. If you saturate the color by 10%, you get **41.8147, 56.8001, 29.3899**, and if you desaturate by 10%, it is **51.5363, 61.4128, 47.8671**.

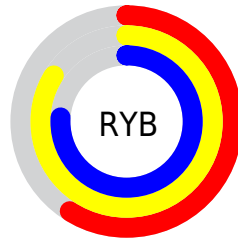
Distribution



Red (67%)

Green (84%)

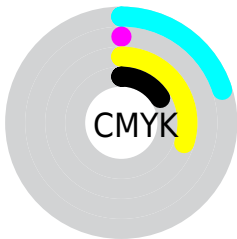
Blue (59%)



Red (59%)

Yellow (84%)

Blue (76%)

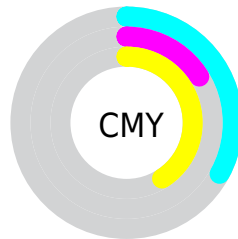


Cyan (20%)

Magenta (0%)

Yellow (30%)

Black (16%)



Cyan (33%)


Magenta (16%)


Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.3462, 58.9531, 37.7905 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 46.3462, 58.9531, 37.7905 by changing the saturation by 10% instead.


 46.3462, 58.9531,
37.7905

 46.3462, 58.9531,
37.7905


362.8914,
420.7281, 351.9916

 32.7249, 42.5754,
25.5196


 83.9616, 103.3095,
72.9868

 22.0740, 29.5521,
16.2420


 108.6863,
132.0570, 96.7492

 14.0282, 19.4989,
9.5394


137.8430,
165.6964, 125.1792

 8.2221, 12.0313,
4.9931

171.7968,
204.6123, 158.6953

 4.2904, 6.7650,
2.1845

210.9132,
249.1891, 197.7160

 1.8677, 3.3156,
0.6654

255.5575,

 0.5580, 1.2986,

299.8110, 242.6600

0.0000

306.0951,
356.8625, 293.9457

■ 0.0000, 0.1401,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.3462, 58.9531,
37.7905

■ 46.3462, 58.9531,
37.7905

■ 41.8147, 56.8001,
29.3899

■ 51.5363, 61.4128,
47.8671

■ 37.9092, 54.9336,
22.5706

■ 57.4066, 64.1832,
59.6998

■ 34.6010, 53.3428,
17.2346

■ 63.9833, 67.2779,
73.3683

■ 31.8571, 52.0132,
13.2709

■ 71.2899, 70.7074,
88.9460

■ 29.6409, 50.9285,
10.5534

■ 79.0242, 74.3518,
104.7941

■ 27.9102, 50.0704,
8.9325

■ 83.3378, 76.5756,
104.9959

■ 26.5997, 49.4110,
8.1410

■ 26.5890, 49.4056,
8.1349

Harmonies

Analogous

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



52.6221, 58.9531, 30.8345



46.3462, 58.9531, 37.7905



42.8586, 58.9531, 52.7119

Triad

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



46.3462, 58.9531, 37.7905



51.8672, 58.9531, 114.7562



71.9137, 58.9531, 54.7234

Complementary

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



46.3462, 58.9531, 37.7905



45.0387, 38.0068, 68.5838

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.



71.6637, 58.9531, 77.2237



46.3462, 58.9531, 37.7905



59.5885, 58.9531, 115.6526

Square

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



46.3462, 58.9531, 37.7905



45.8379, 58.9531, 98.4601



66.9838, 58.9531, 100.6822



67.6381, 58.9531, 38.9673

Rectangle

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



46.3462, 58.9531, 37.7905



42.3627, 58.9531, 66.7965



66.9838, 58.9531, 100.6822



72.3673, 58.9531, 61.6521

Sweetspot

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



46.3477, 58.9556, 37.7918



86.1252, 95.8008, 90.3333



52.2353, 54.4933, 36.6202



18.1432, 20.3681, 18.7386



0.0000, 0.0000, 0.0000



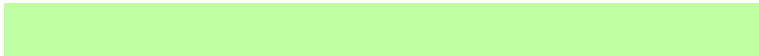
20.3446, 21.4041, 23.3091

Same Dimension

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



46.3477, 58.9556, 37.7918



64.4625, 85.5509, 47.8598



43.0297, 57.1413, 42.3269



12.6424, 14.0918, 13.2144



16.1685, 29.9115, 4.9213



1.0612, 1.8485, 0.3009

Inverse Universe

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



45.0387, 38.0068, 68.5838



62.1970, 49.4739, 100.8790



49.4594, 40.4381, 61.9096



12.5386, 12.4191, 15.6738



14.3797, 6.5655, 38.9625



0.9528, 0.4401, 2.3540

Previews

White Background



This preview shows how the XYZ color 46.3462, 58.9531, 37.7905 looks on a white background.

Color Contrast Check

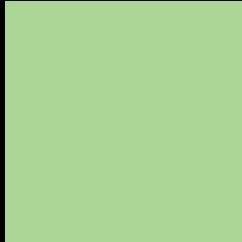
Large Text (above 18pt) WCAG AA × Fail

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 46.3462, 58.9531, 37.7905 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

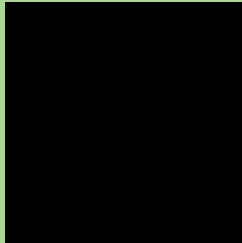
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 46.3462, 58.9531, 37.7905

Background



This preview shows how black text looks on a background with the XYZ color 46.3462, 58.9531, 37.7905.



This preview shows how white text looks on a background with the XYZ color 46.3462, 58.9531,

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

46.3462, 58.9531, 37.7905

Protanopia

54.5360, 58.5386, 34.8103

Deuteranopia

59.4948, 58.3059, 38.6903



Tritanopia

54.1739, 58.8282, 76.9063

Trichromacy



Original Color

46.3462, 58.9531, 37.7905

Protanomaly

51.0790, 58.4973, 35.7931

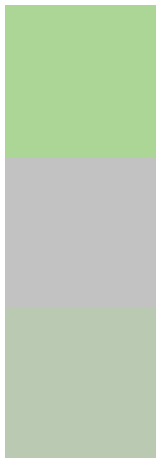
Deuteranomaly

53.7878, 58.0702, 38.5107

Tritanomaly

50.7663, 58.5169, 60.2490

Monochromacy



Original Color

46.3462, 58.9531, 37.7905

Achromatopsia

51.2775, 53.9479, 58.7493

Achromatomaly

49.1722, 55.4267, 50.2263

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.3462, 58.9531, 37.7905 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(171, 214, 150)` looks like.

```
.text, #text, p{  
    color:rgb(171, 214, 150)  
}
```

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(171, 214, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 214, 150) }
```

Border

The CSS property to change the border of an element to XYZ 46.3462, 58.9531, 37.7905 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(171, 214, 150) }
```


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

```
.border{ border-color:rgb(171, 214, 150) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 214, 150)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 214, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 214, 150);  
box-shadow:4px 4px 4px 4px rgb(171, 214,  
150) }
```

Background

The CSS property to change the background color of an element to XYZ 46.3462, 58.9531, 37.7905 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 214, 150) }
```

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

```
.background{ background-color: rgb(171,  
214, 150) }
```

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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