

Converting Colors

XYZ(46.1588, 56.6813, 48.9584)

Have a look what the booklet for
XYZ(46.1588, 56.6813, 48.9584)
contains.

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Color

**XYZ(46.2642, 56.8031,
49.0831)**

Conversions

Conversions Part 1

Format	Color
Hex	A6D1AF
RGB	166, 209, 175
RGB Percent	65%, 82%, 69%
CMY	0.3490, 0.1804, 0.3137
CMYK	0.21, 0.00, 0.16, 0.18
HSL	133°, 32%, 74%
HSV	133°, 21%, 82%
XYZ	46.2642, 56.8031, 49.0831
YIQ	192.2670, -14.7140, -19.6900

Conversions

Conversions Part 2

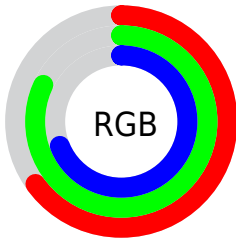
Format	Color
RYB	166, 202, 209
Decimal	10932655
CIELab	80.07, -20.78, 12.28
CIElCh	80, 24.136, 149.405
Yxy	56.8031, 0.3041, 0.3733
Android (android.graphics.Color)	4289122735 (0xFFA6D1AF)
YUV	192.2670, -8.5126, -23.0362
Hunter-Lab	75.3678, -22.3223, 14.1450

Details

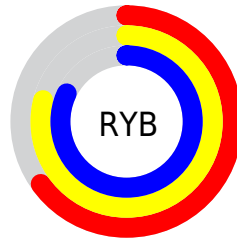
The XYZ color **46.2642, 56.8031, 49.0831** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **50.3580, 44.9992, 60.6777**, and the grayscale version is **50.3146, 52.9348, 57.6460**.

A 20% lighter version of the original color is **80.3080, 92.8191, 89.2845**, and **21.9408, 28.0520, 22.9971** is the 20% darker color. If you saturate the color by 10%, you get **40.7090, 54.1171, 40.8628**, and if you desaturate by 10%, it is **52.7332, 59.9404, 58.3856**.

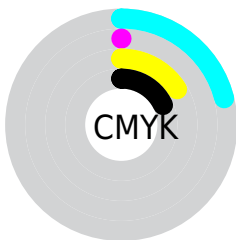
Distribution



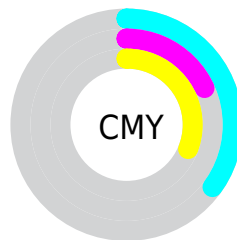
- Red (65%)
- Green (82%)
- Blue (69%)



- Red (65%)
- Yellow (79%)
- Blue (82%)



- Cyan (21%)
- Magenta (0%)
- Yellow (16%)
- Black (18%)





- Cyan (35%)
- Magenta (18%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2642, 56.8031, 49.0831 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 46.2642, 56.8031, 49.0831 by changing the saturation by 10% instead.


 46.2642, 56.8031,
49.0831


 46.2642, 56.8031,
49.0831


362.5680,
412.7111, 399.7012

 32.6599, 40.8472,
34.3193


 83.8397, 100.1778,
90.1971

 22.0240, 28.1997,
22.8597


 108.5416,
128.3654, 117.3845

 13.9912, 18.4762,
14.2856


137.6733,
161.3990, 149.5501

 8.1962, 11.2924,
8.1786

171.6004,
199.6630, 187.1125

 4.2736, 6.2639,
4.1200

210.6880,
243.5419, 230.4903

 1.8581, 3.0062,
1.6914

255.3015,

 0.5523, 1.1350,

293.4199, 280.1020

0.3548

305.8064,
349.6815, 336.3661

■ 0.0000, 0.0076,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.2642, 56.8031,
49.0831

■ 46.2642, 56.8031,
49.0831

■ 40.7090, 54.1171,
40.8628

■ 52.7332, 59.9404,
58.3856

■ 36.0214, 51.8547,
33.6817

■ 60.1502, 63.5411,
68.8036

■ 32.1583, 49.9960,
27.4994

■ 68.5532, 67.6256,
80.3739

■ 29.0709, 48.5169,
22.2715

■ 77.9768, 72.2111,
93.1304

■ 26.7049, 47.3904,
17.9503

■ 82.0916, 74.0832,
104.5805

■ 24.9992, 46.5860,
14.4837

■ 23.8817, 46.0678,
11.8145

■ 23.2514, 45.7831,
9.9692

Harmonies

Analogous

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



49.4859, 56.8031, 41.1583



46.2642, 56.8031, 49.0831



45.0890, 56.8031, 61.5684

Triad

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



46.2642, 56.8031, 49.0831



53.8916, 56.8031, 93.0154



62.6388, 56.8031, 49.5014

Complementary

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



46.2642, 56.8031, 49.0831



50.3580, 44.9992, 60.6777

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.



63.9907, 56.8031, 62.1303



46.2642, 56.8031, 49.0831



58.7587, 56.8031, 88.5197

Square

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



46.2642, 56.8031, 49.0831



49.3258, 56.8031, 88.1634



62.5305, 56.8031, 76.6560



58.9386, 56.8031, 41.3728

Rectangle

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



46.2642, 56.8031, 49.0831



45.5658, 56.8031, 71.2736



62.5305, 56.8031, 76.6560



63.3925, 56.8031, 53.2940

Sweetspot

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



46.2657, 56.8055, 49.0844



87.7563, 96.4580, 98.7096



53.6121, 60.6914, 44.9659



18.6208, 20.5670, 20.8990



0.0000, 0.0000, 0.0000



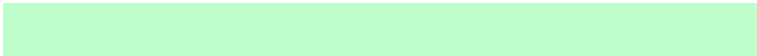
20.3446, 21.4041, 23.3091

Same Dimension

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



46.2657, 56.8055, 49.0844



68.2791, 87.0169, 70.6974



48.5033, 57.7005, 60.8673



11.7561, 13.2462, 13.0720



14.3648, 28.2389, 6.3012



0.8328, 1.5908, 0.5084

Inverse Universe

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



50.3580, 44.9992, 60.6777



75.9010, 65.0210, 92.2848



48.0590, 44.0796, 48.5712



12.2004, 11.9649, 14.3311



20.4513, 10.0533, 23.0803



1.1708, 0.5730, 1.4341

Previews

White Background



This preview shows how the XYZ color 46.2642, 56.8031, 49.0831 looks on a white background.

Color Contrast Check

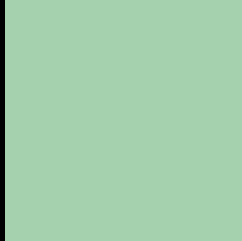
Large Text (above 18pt) WCAG AA × Fail

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 46.2642, 56.8031, 49.0831 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 46.2642, 56.8031, 49.0831

Background



This preview shows how black text looks on a background with the XYZ color 46.2642, 56.8031, 49.0831.



This preview shows how white text looks on a background with the XYZ color 46.2642, 56.8031,

49.0831.

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

46.2642, 56.8031, 49.0831

Protanopia

53.1401, 56.2070, 45.5844

Deuteranopia

57.5080, 56.3636, 50.4961



Tritanopia

51.5977, 56.8250, 75.2667

Trichromacy



Original Color

46.2642, 56.8031, 49.0831

Protanomaly

50.2296, 56.0510, 46.6996

Deuteranomaly

52.8586, 56.2990, 50.2003

Tritanomaly

49.4054, 56.6324, 64.8271

Monochromacy



Original Color

46.2642, 56.8031, 49.0831

Achromatopsia

50.1023, 52.7115, 57.4028

Achromatomaly

48.5854, 54.0006, 54.3168

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2642, 56.8031, 49.0831 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(166, 209, 175)` looks like.

```
.text, #text, p{  
    color:rgb(166, 209, 175)  
}
```

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(166, 209, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 209, 175) }
```

Border

The CSS property to change the border of an element to XYZ 46.2642, 56.8031, 49.0831 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(166, 209, 175) }
```


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

```
.border{ border-color:rgb(166, 209, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 209, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 209, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 209, 175);  
box-shadow:4px 4px 4px 4px rgb(166, 209,  
175) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2642, 56.8031, 49.0831 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 209, 175) }
```

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

```
.background{ background-color: rgb(166,  
209, 175) }
```

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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