

Converting Colors

XYZ(46.9099, 56.7696, 51.5123)

Have a look what the booklet for
XYZ(46.9099, 56.7696, 51.5123)
contains.

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Color

**XYZ(46.9425, 56.7319,
51.6562)**

Conversions

Conversions Part 1

Format	Color
Hex	A8D0B4
RGB	168, 208, 180
RGB Percent	66%, 82%, 71%
CMY	0.3412, 0.1843, 0.2941
CMYK	0.19, 0.00, 0.13, 0.18
HSL	138°, 30%, 74%
HSV	138°, 19%, 82%
XYZ	46.9425, 56.7319, 51.6562
YIQ	192.8480, -14.8520, -17.1880

Conversions

Conversions Part 2

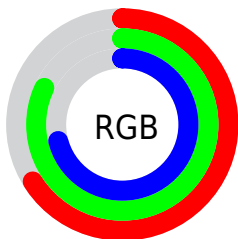
Format	Color
RYB	168, 199, 208
Decimal	11063476
CIELab	80.03, -18.69, 9.58
CIELCh	80, 21.003, 152.859
Yxy	56.7319, 0.3022, 0.3652
Android (android.graphics.Color)	4289253556 (0xFFA8D0B4)
YUV	192.8480, -6.3341, -21.7917
Hunter-Lab	75.3206, -20.5634, 12.0623

Details

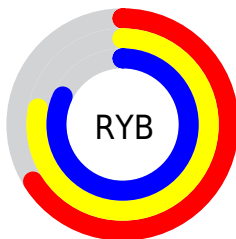
The XYZ color **46.9425, 56.7319, 51.6562** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **49.9808, 45.4019, 58.3562**, and the grayscale version is **50.6428, 53.2802, 58.0221**.

A 20% lighter version of the original color is **81.6408, 93.4234, 93.0865**, and **22.4566, 28.2883, 24.3553** is the 20% darker color. If you saturate the color by 10%, you get **41.4574, 54.0683, 44.0593**, and if you desaturate by 10%, it is **53.2949, 59.8278, 60.1096**.

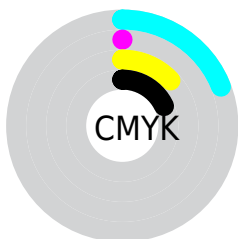
Distribution



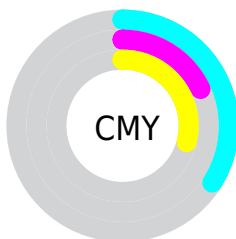
- Red (66%)
- Green (82%)
- Blue (71%)



- Red (66%)
- Yellow (78%)
- Blue (82%)



- Cyan (19%)
- Magenta (0%)
- Yellow (13%)
- Black (18%)





- Cyan (34%)
- Magenta (18%)
- Yellow (29%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.9425, 56.7319, 51.6562 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 46.9425, 56.7319, 51.6562 by changing the saturation by 10% instead.


 46.9425, 56.7319,
51.6562


 46.9425, 56.7319,
51.6562


365.2377,
412.4439, 410.0270

 33.1980, 40.7900,
36.3508


 84.8471, 100.0739,
94.0454

 22.4381, 28.1551,
24.4134


 109.7378,
128.2428, 121.9663

 14.2976, 18.4426,
15.4255


139.0746,
161.2562, 154.9294

 8.4110, 11.2682,
8.9686

173.2229,
199.4984, 193.3532

 4.4131, 6.2475,
4.6242

212.5480,
243.3539, 237.6564

 1.9384, 2.9962,
1.9737

257.4152,

 0.5990, 1.1297,

293.2071, 288.2574

0.5390

308.1900,
349.4423, 345.5747

■ 0.0000, 0.0032,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.9425, 56.7319,
51.6562

■ 46.9425, 56.7319,
51.6562

■ 41.4574, 54.0683,
44.0593

■ 53.2949, 59.8278,
60.1096

■ 36.7965, 51.8106,
37.2883

■ 60.5460, 63.3668,
69.4412

■ 32.9201, 49.9404,
31.3163

■ 68.7311, 67.3683,
79.6770

■ 29.7830, 48.4351,
26.1134

■ 77.8823, 71.8483,
90.8403

■ 27.3356, 47.2697,
21.6480

■ 81.4955, 73.4534,
102.6481

■ 25.5214, 46.4158,
17.8861

■ 81.8470, 73.5940,
104.4990

■ 24.2746, 45.8403,
14.7909

■ 23.4887, 45.4890,
12.3210

■ 23.4375, 45.4662,
12.1555

Harmonies

Analogous

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



49.5899, 56.7319, 44.0542



46.9425, 56.7319, 51.6562



46.1325, 56.7319, 62.9513

Triad

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



46.9425, 56.7319, 51.6562



54.3324, 56.7319, 88.3499



61.1150, 56.7319, 49.8746

Complementary

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



46.9425, 56.7319, 51.6562



49.9808, 45.4019, 58.3562

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.



62.5424, 56.7319, 60.6064



46.9425, 56.7319, 51.6562



58.4992, 56.7319, 83.6969

Square

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



46.9425, 56.7319, 51.6562



50.2635, 56.7319, 85.1407



61.5611, 56.7319, 73.1277



57.7537, 56.7319, 43.1249

Rectangle

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



46.9425, 56.7319, 51.6562



46.7066, 56.7319, 71.3606



61.5611, 56.7319, 73.1277



61.8447, 56.7319, 53.0822

Sweetspot

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



46.9441, 56.7343, 51.6575



87.9666, 96.5421, 99.8170



52.5647, 59.7670, 45.8121



18.6703, 20.5868, 21.1600



0.0000, 0.0000, 0.0000



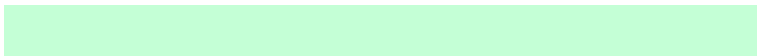
20.3446, 21.4041, 23.3091

Same Dimension

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



46.9441, 56.7343, 51.6575



70.7466, 88.1549, 76.8678



49.0537, 57.5781, 62.7666



11.8002, 13.2638, 13.3041



14.6444, 28.3507, 7.7735



0.8539, 1.5992, 0.6192

Inverse Universe

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



49.9808, 45.4019, 58.3562



76.4044, 67.0361, 89.3443



47.9193, 44.5773, 47.5006



12.1534, 11.9461, 14.0837



19.4713, 9.6613, 17.9197



1.1229, 0.5539, 1.1818

Previews

White Background



This preview shows how the XYZ color 46.9425, 56.7319, 51.6562 looks on a white background.

Color Contrast Check

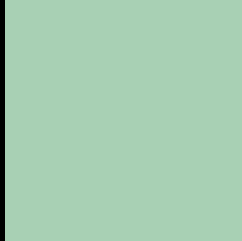
Large Text (above 18pt) WCAG AA × Fail

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 46.9425, 56.7319, 51.6562 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

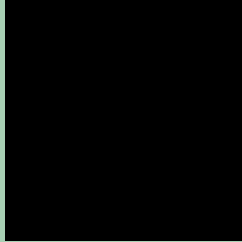
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.9425, 56.7319, 51.6562

Background



This preview shows how black text looks on a background with the XYZ color 46.9425, 56.7319, 51.6562.



This preview shows how white text looks on a background with the XYZ color 46.9425, 56.7319,

51.6562.

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

46.9425, 56.7319, 51.6562

Protanopia

53.3384, 56.2539, 48.0913

Deuteranopia

57.3022, 56.2101, 52.6292



Tritanopia

51.5859, 56.4695, 75.1987

Trichromacy



Original Color

46.9425, 56.7319, 51.6562

Protanomaly

50.7154, 56.2453, 49.2577

Deuteranomaly

52.7669, 55.8665, 52.2582

Tritanomaly

49.6256, 56.3642, 66.0214

Monochromacy



Original Color

46.9425, 56.7319, 51.6562

Achromatopsia

50.6879, 53.3276, 58.0738

Achromatomaly

49.0383, 54.2094, 55.4558

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.9425, 56.7319, 51.6562 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(168, 208, 180)` looks like.

```
.text, #text, p{  
    color:rgb(168, 208, 180)  
}
```

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(168, 208, 180) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 208, 180) }
```

Border

The CSS property to change the border of an element to XYZ 46.9425, 56.7319, 51.6562 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(168, 208, 180) }
```


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

```
.border{ border-color:rgb(168, 208, 180) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 208, 180)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(168, 208, 180); -webkit-box-shadow:4px 4px 4px 4px rgb(168, 208, 180); box-shadow:4px 4px 4px 4px rgb(168, 208, 180) }
```

Background

The CSS property to change the background color of an element to XYZ 46.9425, 56.7319, 51.6562 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 208, 180) }
```

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

```
.background{ background-color: rgb(168,  
208, 180) }
```

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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