

Converting Colors

XYZ(46.7715, 60.1997, 38.7435)

Have a look what the booklet for
XYZ(46.7715, 60.1997, 38.7435)
contains.

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Color

**XYZ(46.8425, 60.3277,
38.8813)**

Conversions

Conversions Part 1

Format	Color
Hex	A9D998
RGB	169, 217, 152
RGB Percent	66%, 85%, 60%
CMY	0.3373, 0.1490, 0.4039
CMYK	0.22, 0.00, 0.30, 0.15
HSL	104°, 46%, 72%
HSV	104°, 30%, 85%
XYZ	46.8425, 60.3277, 38.8813
YIQ	195.2380, -7.7430, -30.3910

Conversions

Conversions Part 2

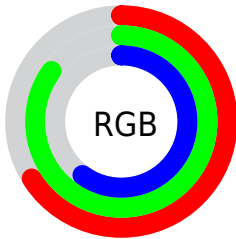
Format	Color
RYB	152, 217, 200
Decimal	11131288
CIELab	82.02, -27.54, 27.10
CIELCh	82, 38.637, 135.457
Yxy	60.3277, 0.3207, 0.4131
Android (android.graphics.Color)	4289321368 (0xFFA9D998)
YUV	195.2380, -21.3163, -23.0107
Hunter-Lab	77.6709, -28.2726, 24.6896

Details

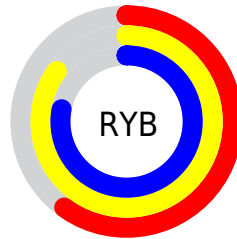
The XYZ color **46.8425, 60.3277, 38.8813** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **47.5746, 39.7474, 70.8134**, and the grayscale version is **52.1414, 54.8568, 59.7391**.

A 20% lighter version of the original color is **78.0738, 92.0325, 72.6806**, and **22.4230, 30.4738, 16.7568** is the 20% darker color. If you saturate the color by 10%, you get **41.9958, 58.0178, 30.2105**, and if you desaturate by 10%, it is **52.4390, 62.9901, 49.2870**.

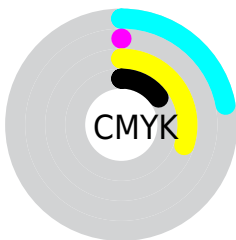
Distribution



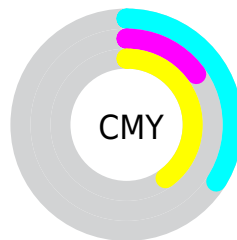
- Red (66%)
- Green (85%)
- Blue (60%)



- Red (60%)
- Yellow (85%)
- Blue (78%)



- Cyan (22%)
- Magenta (0%)
- Yellow (30%)
- Black (15%)





- Cyan (34%)
- Magenta (15%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.8425, 60.3277, 38.8813 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 46.8425, 60.3277, 38.8813 by changing the saturation by 10% instead.


 46.8425, 60.3277,
38.8813


 46.8425, 60.3277,
38.8813


364.8449,
425.8046, 356.7965

 33.1186, 43.6828,
26.3603


 84.6986, 105.3049,
74.6753

 22.3770, 30.4212,
16.8652


 109.5616,
134.4060, 98.7853

 14.2523, 20.1585,
9.9775


138.8683,
168.4280, 127.5955

 8.3792, 12.5103,
5.2786

172.9840,
207.7552, 161.5243

 4.3924, 7.0922,
2.3501

212.2742,
252.7721, 200.9902

 1.9264, 3.5199,
0.7591

257.1042,

 0.5921, 1.4088,

303.8630, 246.4119

0.0000

307.8393,
361.4124, 298.2078

■ 0.0000, 0.2232,
0.0000

■ 0.0000, 0.0000,
0.0000

■ 46.8425, 60.3277,
38.8813

■ 46.8425, 60.3277,
38.8813

■ 41.9958, 58.0178,
30.2105

■ 52.4390, 62.9901,
49.2870

■ 37.8612, 56.0378,
23.1766

■ 58.8114, 66.0112,
61.5107

■ 34.4048, 54.3741,
17.6775

■ 65.9903, 69.4069,
75.6350

■ 31.5877, 53.0092,
13.5984

■ 74.0031, 73.1896,
91.7362

■ 29.3669, 51.9238,
10.8084

■ 81.9770, 77.0116,
105.1518

■ 27.6930, 51.0958,
9.1518

■ 84.1041, 78.1081,
105.2514

■ 26.4918, 50.4930,
8.3527

■ 26.4871, 50.4906,
8.3497

Harmonies

Analogous

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



53.2484, 60.3277, 31.1287



46.8425, 60.3277, 38.8813



43.4205, 60.3277, 55.0104

Triad

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



46.8425, 60.3277, 38.8813



53.4794, 60.3277, 119.6593



73.8777, 60.3277, 54.3960

Complementary

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



46.8425, 60.3277, 38.8813



47.5746, 39.7474, 70.8134

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.



73.9547, 60.3277, 77.6618



46.8425, 60.3277, 38.8813



61.6353, 60.3277, 119.3821

Square

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



46.8425, 60.3277, 38.8813



46.9977, 60.3277, 103.3138



69.2984, 60.3277, 102.6281



69.0973, 60.3277, 38.5242

Rectangle

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



46.8425, 60.3277, 38.8813



43.0620, 60.3277, 70.0649



69.2984, 60.3277, 102.6281



74.4686, 60.3277, 61.4946

Sweetspot

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



46.8441, 60.3303, 38.8826



85.6098, 95.5351, 90.3092



54.8624, 58.1757, 38.0441



18.0169, 20.3030, 18.7326



0.0000, 0.0000, 0.0000



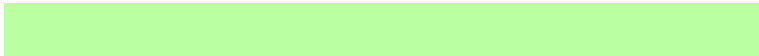
20.3446, 21.4041, 23.3091

Same Dimension

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



46.8441, 60.3303, 38.8826



62.9328, 84.7623, 47.7882



44.7541, 59.1000, 45.6900



13.2042, 14.7700, 13.8805



16.1178, 30.6065, 5.0582



1.1248, 2.0244, 0.3315

Inverse Universe

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



47.5746, 39.7474, 70.8134



64.1357, 50.4734, 100.9698



50.4867, 41.4662, 61.1191



13.2648, 13.0946, 16.4805



16.4920, 7.6261, 40.3412



1.1475, 0.5348, 2.6172

Previews

White Background



This preview shows how the XYZ color 46.8425, 60.3277, 38.8813 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 46.8425, 60.3277, 38.8813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

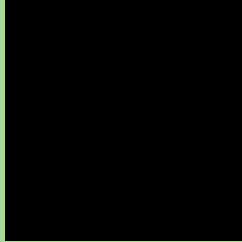
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.8425, 60.3277, 38.8813

Background



This preview shows how black text looks on a background with the XYZ color 46.8425, 60.3277, 38.8813.



This preview shows how white text looks on a background with the XYZ color 46.8425, 60.3277,

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

46.8425, 60.3277, 38.8813

Protanopia

55.7577, 59.8473, 35.8071

Deuteranopia

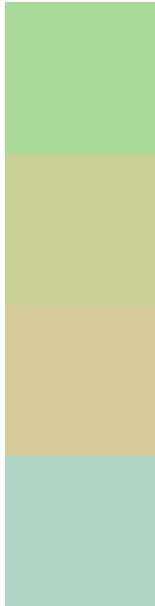
61.1975, 59.8153, 40.2183



Tritanopia

55.0665, 60.3173, 79.2611

Trichromacy



Original Color

46.8425, 60.3277, 38.8813

Protanomaly

51.9886, 59.6674, 36.7938

Deuteranomaly

55.0039, 59.3746, 39.5718

Tritanomaly

51.6188, 60.0129, 62.2891

Monochromacy



Original Color

46.8425, 60.3277, 38.8813

Achromatopsia

51.8711, 54.5724, 59.4294

Achromatomaly

49.7423, 56.4056, 50.9135

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.8425, 60.3277, 38.8813 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(169, 217, 152)` looks like.

```
.text, #text, p{  
    color:rgb(169, 217, 152)  
}
```

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(169, 217, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 217, 152) }
```

Border

The CSS property to change the border of an element to XYZ 46.8425, 60.3277, 38.8813 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(169, 217, 152) }
```


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

```
.border{ border-color:rgb(169, 217, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 217, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 217, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 217, 152);  
box-shadow:4px 4px 4px 4px rgb(169, 217,  
152) }
```

Background

The CSS property to change the background color of an element to XYZ 46.8425, 60.3277, 38.8813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 217, 152) }
```

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

```
.background{ background-color: rgb(169,  
217, 152) }
```

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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