

Converting Colors

XYZ(36.8925, 48.1638, 42.1558)

Have a look what the booklet for
XYZ(36.8925, 48.1638, 42.1558)
contains.

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Color

**XYZ(36.9583, 48.2668,
42.0188)**

Conversions

Conversions Part 1

Format	Color
Hex	88C6A3
RGB	136, 198, 163
RGB Percent	53%, 78%, 64%
CMY	0.4667, 0.2235, 0.3608
CMYK	0.31, 0.00, 0.18, 0.22
HSL	146°, 35%, 65%
HSV	146°, 31%, 78%
XYZ	36.9583, 48.2668, 42.0188
YIQ	175.4720, -25.7170, -24.0290

Conversions

Conversions Part 2

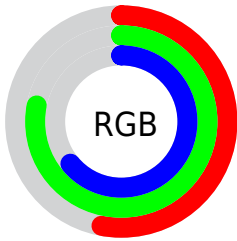
Format	Color
RYB	136, 179, 198
Decimal	8963747
CIELab	74.99, -27.27, 11.27
CIELCh	75, 29.504, 157.535
Yxy	48.2668, 0.2905, 0.3793
Android (android.graphics.Color)	4287153827 (0xFF88C6A3)
YUV	175.4720, -6.1487, -34.6169
Hunter-Lab	69.4743, -26.6233, 12.7728

Details

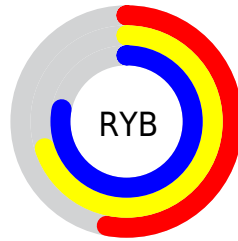
The XYZ color **36.9583, 48.2668, 42.0188** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.4452, 32.5555, 42.7350**, and the grayscale version is **41.0337, 43.1707, 47.0129**.

A 20% lighter version of the original color is **69.9007, 87.6583, 79.5653**, and **16.4987, 22.9790, 18.6048** is the 20% darker color. If you saturate the color by 10%, you get **33.0773, 46.3781, 36.8385**, and if you desaturate by 10%, it is **41.5245, 50.5012, 47.6954**.

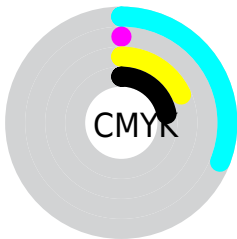
Distribution



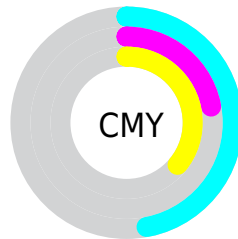
- Red (53%)
- Green (78%)
- Blue (64%)



- Red (53%)
- Yellow (70%)
- Blue (78%)



- Cyan (31%)
- Magenta (0%)
- Yellow (18%)
- Black (22%)




- Cyan (47%)
- Magenta (22%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.9583, 48.2668, 42.0188 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 36.9583, 48.2668, 42.0188 by changing the saturation by 10% instead.


 36.9583, 48.2668,
42.0188


 36.9583, 48.2668,
42.0188


324.4886,
379.8487, 370.3628


 25.3487, 34.0382,
28.7903


 69.8229, 87.6015,
79.4985

 16.4672, 22.9230,
18.6781


 91.8086, 113.4764,
104.5868

 9.9483, 14.5366,
11.2634


 117.9838,
144.0022, 134.4654

 5.4267, 8.4948,
6.1279

148.7138,
179.5634, 169.5529

 2.5370, 4.4132,
2.8530

184.3639,
220.5442, 210.2679

 0.9140, 1.9073,
1.0201

225.2995,

 0.0000, 0.5527,

267.3291, 257.0289

0.0000

271.8859,
320.3024, 310.2543

■ 0.0000, 0.0000,
0.0000

■ 36.9583, 48.2668,
42.0188

■ 36.9583, 48.2668,
42.0188

■ 33.0773, 46.3781,
36.8385

■ 41.5245, 50.5012,
47.6954

■ 29.8425, 44.8112,
32.1378

■ 46.8045, 53.0918,
53.8780

■ 27.2170, 43.5487,
27.9034

■ 52.8298, 56.0558,
60.5802

■ 25.1582, 42.5689,
24.1205

■ 59.6290, 59.4079,
67.8140

■ 23.6177, 41.8472,
20.7732

■ 67.2291, 63.1616,
75.5911

■ 22.5380, 41.3543,
17.8446

■ 75.6557, 67.3300,
83.9227

■ 21.8838, 41.0655,
15.6245

■ 77.3492, 68.0157,
92.4648

■ 79.0732, 68.7053,
101.5434

■ 79.4850, 68.8700,
103.7117

Harmonies

Analogous

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



39.8532, 48.2668, 32.3739



36.9583, 48.2668, 42.0188



36.3587, 48.2668, 56.5391

Triad

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



36.9583, 48.2668, 42.0188



47.2472, 48.2668, 87.7702



54.5856, 48.2668, 36.4805

Complementary

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



36.9583, 48.2668, 42.0188



39.4452, 32.5555, 42.7350

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.



56.9244, 48.2668, 48.7614



36.9583, 48.2668, 42.0188



52.4773, 48.2668, 79.7478

Square

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



36.9583, 48.2668, 42.0188



42.0326, 48.2668, 84.9930



56.1242, 48.2668, 64.7184



49.9472, 48.2668, 29.6398

Rectangle

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



36.9583, 48.2668, 42.0188



37.2944, 48.2668, 67.4878



56.1242, 48.2668, 64.7184



55.6827, 48.2668, 40.0043

Sweetspot

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



36.9596, 48.2688, 42.0199



85.0886, 95.0976, 97.9100



41.4634, 50.8409, 30.9211



17.8903, 20.1965, 20.5921



0.0000, 0.0000, 0.0000



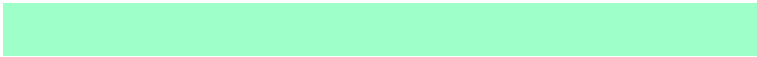
20.3446, 21.4041, 23.3091

Same Dimension

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



36.9596, 48.2688, 42.0199



60.3403, 82.9833, 67.6626



40.0717, 49.5136, 58.4078



10.6861, 11.9633, 12.2970



14.2722, 26.7213, 10.3782



0.7120, 1.2797, 0.6821

Inverse Universe

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



39.4452, 32.5555, 42.7350



65.4692, 50.5420, 69.1250



36.8378, 31.5125, 29.0042



10.8804, 10.7356, 12.3536



17.0828, 8.5827, 10.9118



0.8448, 0.4207, 0.7057

Previews

White Background



This preview shows how the XYZ color 36.9583, 48.2668, 42.0188 looks on a white background.

Color Contrast Check

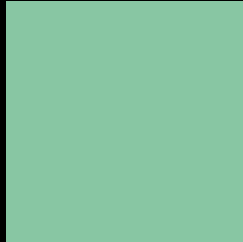
Large Text (above 18pt) WCAG AA × Fail

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 36.9583, 48.2668, 42.0188 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

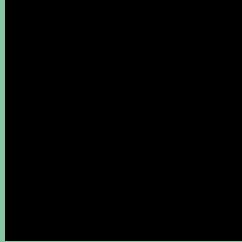
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.9583, 48.2668, 42.0188

Background



This preview shows how black text looks on a background with the XYZ color 36.9583, 48.2668, 42.0188.



This preview shows how white text looks on a background with the XYZ color 36.9583, 48.2668,

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

36.9583, 48.2668, 42.0188

Protanopia

45.1824, 47.7366, 38.2852

Deuteranopia

48.7096, 47.6442, 43.1882



Tritanopia

41.7892, 48.2240, 66.1371

Trichromacy



Original Color

36.9583, 48.2668, 42.0188

Protanomaly

41.4748, 47.3539, 39.7551

Deuteranomaly

43.5233, 47.3962, 42.9308

Tritanomaly

39.8511, 48.0959, 56.4733

Monochromacy



Original Color

36.9583, 48.2668, 42.0188

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

38.9821, 44.3843, 45.0405

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9583, 48.2668, 42.0188 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(136, 198, 163)` looks like.

```
.text, #text, p{  
    color:rgb(136, 198, 163)  
}
```

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(136, 198, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 198, 163) }
```

Border

The CSS property to change the border of an element to XYZ 36.9583, 48.2668, 42.0188 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(136, 198, 163) }
```


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

```
.border{ border-color:rgb(136, 198, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 198, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 198, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 198, 163);  
box-shadow:4px 4px 4px 4px rgb(136, 198,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9583, 48.2668, 42.0188 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 198, 163) }
```

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

```
.background{ background-color: rgb(136,  
198, 163) }
```

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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