

Converting Colors

XYZ(36.6383, 44.4531, 38.3306)

Have a look what the booklet for
XYZ(36.6383, 44.4531, 38.3306)
contains.

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Color

**XYZ(36.8050, 44.6504,
38.5768)**

Conversions

Conversions Part 1

Format	Color
Hex	98BB9D
RGB	152, 187, 157
RGB Percent	60%, 73%, 62%
CMY	0.4039, 0.2667, 0.3843
CMYK	0.19, 0.00, 0.16, 0.27
HSL	129°, 20%, 66%
HSV	129°, 19%, 73%
XYZ	36.8050, 44.6504, 38.5768
YIQ	173.1150, -11.2300, -16.7500

Conversions

Conversions Part 2

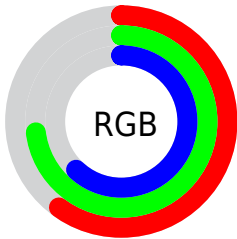
Format	Color
RYB	152, 183, 187
Decimal	10009501
CIELab	72.66, -17.72, 11.34
CIELCh	73, 21.040, 147.374
Yxy	44.6504, 0.3066, 0.3720
Android (android.graphics.Color)	4288199581 (0xFF98BB9D)
YUV	173.1150, -7.9447, -18.5179
Hunter-Lab	66.8210, -18.6188, 12.5456

Details

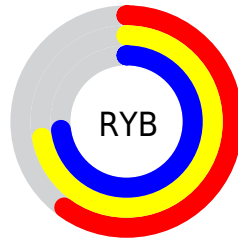
The XYZ color **36.8050, 44.6504, 38.5768** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **40.1668, 36.3997, 49.1668**, and the grayscale version is **39.8235, 41.8974, 45.6263**.

A 20% lighter version of the original color is **69.6664, 82.1200, 74.4663**, and **16.3821, 20.8001, 16.7871** is the 20% darker color. If you saturate the color by 10%, you get **32.2973, 42.4757, 31.6850**, and if you desaturate by 10%, it is **42.0466, 47.1852, 46.4421**.

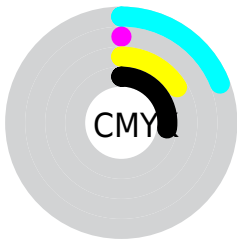
Distribution



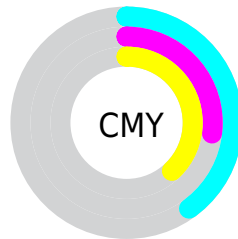
- Red (60%)
- Green (73%)
- Blue (62%)



- Red (60%)
- Yellow (72%)
- Blue (73%)



- Cyan (19%)
- Magenta (0%)
- Yellow (16%)
- Black (27%)





- Cyan (40%)
- Magenta (27%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.8050, 44.6504, 38.5768 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 36.8050, 44.6504, 38.5768 by changing the saturation by 10% instead.


 36.8050, 44.6504,
38.5768


 36.8050, 44.6504,
38.5768


323.8357,
365.3558, 355.4600

 25.2295, 31.1821,
26.1254


 69.5886, 82.1955,
74.2046

 16.3778, 20.7376,
16.6908


 91.5273, 107.0412,
98.2180

 9.8844, 12.9323,
9.8547


117.6513,
136.4482, 126.9225

 5.3841, 7.3820,
5.1984

148.3257,
170.8008, 160.7366

 2.5114, 3.7021,
2.3034

183.9161,
210.4835, 200.0788

 0.9010, 1.5084,
0.7331

224.7876,

 0.0000, 0.2946,

255.8806, 245.3678

0.0000

271.3057,
307.3766, 297.0220

0.0000, 0.0000,
0.0000

36.8050, 44.6504,
38.5768

36.8050, 44.6504,
38.5768

32.2973, 42.4757,
31.6850

42.0466, 47.1852,
46.4421

28.4870, 40.6394,
25.7259

48.0490, 50.0894,
55.3136

25.3403, 39.1261,
20.6604

54.8425, 53.3792,
65.2261

22.8186, 37.9168,
16.4454

62.4543, 57.0679,
76.2120

20.8798, 36.9908,
13.0342

70.9106, 61.1685,
88.3020

■ 19.4761, 36.3246,
10.3755

■ 76.7687, 63.9054,
101.3635

■ 18.5523, 35.8908,
8.4122

■ 77.0612, 64.0224,
102.9037

■ 18.0202, 35.6455,
7.0781

■ 17.9658, 35.6203,
6.9482

Harmonies

Analogous

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



39.2969, 44.6504, 32.8802



36.8050, 44.6504, 38.5768



35.8149, 44.6504, 47.7027

Triad

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



36.8050, 44.6504, 38.5768



42.1185, 44.6504, 71.5535



48.9727, 44.6504, 39.9584

Complementary

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



36.8050, 44.6504, 38.5768



40.1668, 36.3997, 49.1668

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.



49.8330, 44.6504, 49.5423



36.8050, 44.6504, 38.5768



45.7440, 44.6504, 68.7109

Square

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



36.8050, 44.6504, 38.5768



38.7708, 44.6504, 67.5590



48.6202, 44.6504, 60.2629



46.3313, 44.6504, 33.5940

Rectangle

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



36.8050, 44.6504, 38.5768



36.0946, 44.6504, 54.8608



48.6202, 44.6504, 60.2629



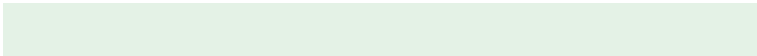
49.4861, 44.6504, 42.8654

Sweetspot

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



36.8062, 44.6523, 38.5778



77.9848, 85.8021, 87.1607



42.8099, 47.7956, 36.6753



17.0241, 18.8227, 18.9724



90.7827, 95.5105, 104.0109



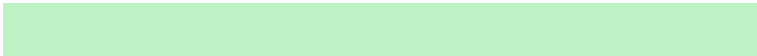
18.6292, 19.5994, 21.3438

Same Dimension

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



36.8062, 44.6523, 38.5778



62.8304, 78.4777, 64.4007



38.3768, 45.2805, 46.8485



9.4628, 10.6712, 10.4207



12.3945, 24.5481, 4.8740



0.5036, 0.9688, 0.2860

Inverse Universe

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



40.1668, 36.3997, 49.1668



69.8346, 61.2745, 86.4686



38.4995, 35.7327, 40.3868



9.8698, 9.6722, 11.7032



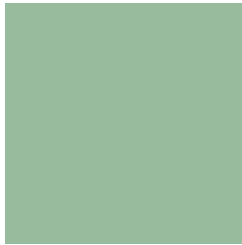
18.5297, 9.0430, 23.8808



0.7421, 0.3607, 1.0212

Previews

White Background



This preview shows how the XYZ color 36.8050, 44.6504, 38.5768 looks on a white background.

Color Contrast Check

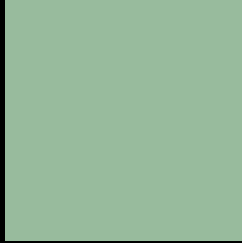
Large Text (above 18pt) WCAG AA × Fail

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 36.8050, 44.6504, 38.5768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

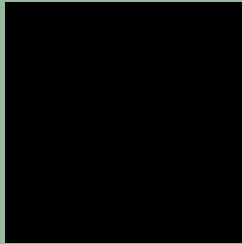
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8050, 44.6504, 38.5768

Background



This preview shows how black text looks on a background with the XYZ color 36.8050, 44.6504, 38.5768.



This preview shows how white text looks on a background with the XYZ color 36.8050, 44.6504,

38.5768.

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

36.8050, 44.6504, 38.5768

Protanopia

41.8832, 44.2761, 36.0444

Deuteranopia

44.9955, 44.0814, 39.3947



Tritanopia

40.9898, 44.8123, 58.7138

Trichromacy



Original Color

36.8050, 44.6504, 38.5768

Protanomaly

39.8122, 44.3795, 37.0396

Deuteranomaly

41.5086, 44.0148, 39.1088

Tritanomaly

39.2943, 44.7263, 50.8180

Monochromacy



Original Color

36.8050, 44.6504, 38.5768

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

38.4125, 42.6301, 42.7631

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8050, 44.6504, 38.5768 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(152, 187, 157)` looks like.

```
.text, #text, p{  
    color:rgb(152, 187, 157)  
}
```

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(152, 187, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 187, 157) }
```

Border

The CSS property to change the border of an element to XYZ 36.8050, 44.6504, 38.5768 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(152, 187, 157) }
```


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

```
.border{ border-color:rgb(152, 187, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 187, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(152, 187, 157); -webkit-box-shadow:4px 4px 4px 4px rgb(152, 187, 157); box-shadow:4px 4px 4px 4px rgb(152, 187, 157) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8050, 44.6504, 38.5768 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 187, 157) }
```

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

```
.background{ background-color: rgb(152,  
187, 157) }
```

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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