

# Converting Colors

XYZ(35.9639, 42.9366, 48.7984)

Have a look what the booklet for  
XYZ(35.9639, 42.9366, 48.7984)  
contains.

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# Color

**XYZ(36.0924, 43.1111,  
49.0668)**

# Conversions

## Conversions Part 1

Format	Color
Hex	8CB8B3
RGB	140, 184, 179
RGB Percent	55%, 72%, 70%
CMY	0.4510, 0.2784, 0.2980
CMYK	0.24, 0.00, 0.03, 0.28
HSL	173°, 24%, 64%
HSV	173°, 24%, 72%
XYZ	36.0924, 43.1111, 49.0668
YIQ	170.2740, -24.6190, -10.8830

# Conversions

## Conversions Part 2

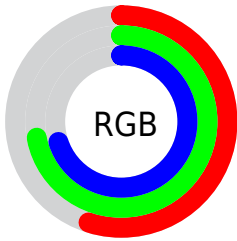
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	140, 163, 184
Decimal	9222323
CIE <sub>Lab</sub>	71.63, -15.64, -2.25
CIE <sub>LCh</sub>	72, 15.805, 188.175
Yxy	43.1111, 0.2814, 0.3361
Android (android.graphics.Color)	4287412403 (0xFF8CB8B3)
YUV	170.2740, 4.3019, -26.5503
Hunter-Lab	65.6590, -16.7829, 1.6541

# Details

The XYZ color **36.0924, 43.1111, 49.0668** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **34.2576, 30.9921, 30.9664**, and the grayscale version is **38.3342, 40.3305, 43.9199**.

A 20% lighter version of the original color is **68.4036, 79.7877, 90.3926**, and **16.0020, 19.8628, 22.7292** is the 20% darker color. If you saturate the color by 10%, you get **33.0378, 41.5618, 47.8286**, and if you desaturate by 10%, it is **39.6712, 44.9325, 50.3481**.

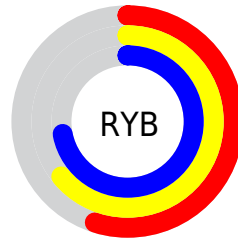
# Distribution



Red (55%)

Green (72%)

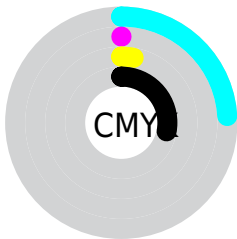
Blue (70%)



Red (55%)

Yellow (64%)

Blue (72%)

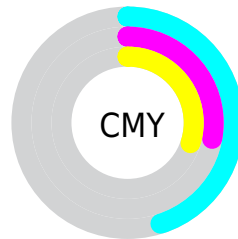


Cyan (24%)

Magenta (0%)

Yellow (3%)

Black (28%)



Cyan (45%)

Magenta (28%)

Yellow (30%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.0924, 43.1111, 49.0668 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 36.0924, 43.1111, 49.0668 by changing the saturation by 10% instead.



■ 36.0924, 43.1111,  
49.0668

■ 36.0924, 43.1111,  
49.0668

320.7884,  
359.0685, 399.6353

■ 24.6760, 29.9723,  
34.3065

■ 68.4976, 79.8785,  
90.1727

■ 15.9633, 19.8176,  
22.8499

■ 90.2171, 104.2759,  
117.3553

■ 9.5889, 12.2625,  
14.2785

■ 116.1017,  
133.1949, 149.5158

■ 5.1874, 6.9227,  
8.1736

146.5168,  
167.0199, 187.0728

■ 2.3935, 3.4138,  
4.1169

181.8276,  
206.1354, 230.4446

■ 0.8419, 1.3514,  
1.6897

222.3996,

■ 0.0000, 0.1805,

250.9258, 280.0500

0.3536

268.5981,  
301.7753, 336.3073

■ 0.0000, 0.0000,  
0.0000

■ 36.0924, 43.1111,  
49.0668

■ 36.0924, 43.1111,  
49.0668

■ 33.0378, 41.5618,  
47.8286

■ 39.6712, 44.9325,  
50.3481

■ 30.4778, 40.2660,  
46.6293

■ 43.7944, 47.0331,  
51.6709

■ 28.3858, 39.2110,  
45.4685

■ 48.4857, 49.4262,  
53.0371

■ 26.7309, 38.3810,  
44.3447

■ 53.7664, 52.1227,  
54.4479

■ 25.4787, 37.7583,  
43.2562

■ 59.6567, 55.1331,  
55.9042

■ 24.5894, 37.3223,  
42.2011

■ 66.1756, 58.4672,  
57.4071

■ 24.0152, 37.0483,  
41.1771

■ 68.0790, 59.4216,  
58.7112

■ 23.7597, 36.9299,  
40.5661

■ 68.3151, 59.5160,  
59.9545

■ 68.5545, 59.6118,  
61.2153

# Harmonies

## Analogous

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



36.3839, 43.1111, 41.6744



36.0924, 43.1111, 49.0668



37.0638, 43.1111, 56.6468

# Triad

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



36.0924, 43.1111, 49.0668



44.2379, 43.1111, 59.4994



42.9179, 43.1111, 34.5505

# Complementary

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



36.0924, 43.1111, 49.0668



34.2576, 30.9921, 30.9664

# 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.



45.1538, 43.1111, 38.4118



36.0924, 43.1111, 49.0668



45.9387, 43.1111, 52.6329

# Square

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



36.0924, 43.1111, 49.0668



41.7116, 43.1111, 63.0839



46.2810, 43.1111, 44.8768



40.2487, 43.1111, 33.8171



# Rectangle

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



36.0924, 43.1111, 49.0668



38.3229, 43.1111, 60.6025



46.2810, 43.1111, 44.8768



43.7484, 43.1111, 35.5037

# Sweetspot

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



36.0936, 43.1129, 49.0678



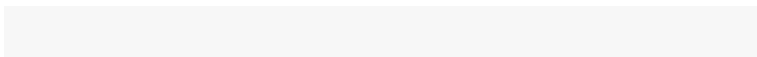
76.8811, 83.9800, 92.8868



33.5760, 42.2081, 31.1891



16.4769, 18.0549, 19.9938



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988



# Same Dimension

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



36.0936, 43.1129, 49.0678



62.2266, 76.5253, 87.6842



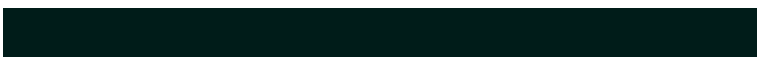
33.3114, 36.7239, 50.6821



9.2215, 10.1926, 11.3239



16.3908, 25.4573, 28.0438



0.5904, 0.9025, 1.0549



# Inverse Universe

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



34.2576, 30.9921, 30.9664



58.2881, 50.5104, 48.8441



36.5367, 36.1541, 29.8645



9.0450, 9.0284, 9.5845



13.7300, 7.0658, 1.1990



0.4977, 0.2546, 0.1145



# Previews

## White Background



This preview shows how the XYZ color 36.0924, 43.1111, 49.0668 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

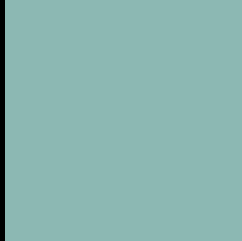
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.0924, 43.1111, 49.0668 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

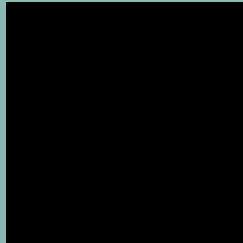
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

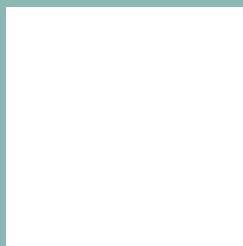
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.0924, 43.1111, 49.0668**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.0924, 43.1111, 49.0668.



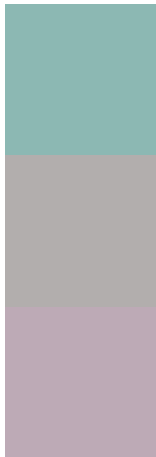
This preview shows how white text looks on a background with the XYZ color 36.0924, 43.1111,

49.0668.

# 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

36.0924, 43.1111, 49.0668

### Protanopia

41.0390, 42.7542, 45.6246

### Deuteranopia

43.8045, 42.9457, 50.2366



## Tritanopia

37.9893, 42.9626, 58.5149

# Trichromacy



## Original Color

36.0924, 43.1111, 49.0668

## Protanomaly

38.9681, 42.8284, 46.7703

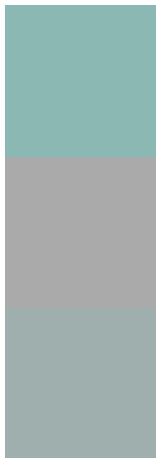
## Deuteranomaly

40.4650, 42.6541, 49.8164

## Tritanomaly

37.3499, 43.0132, 55.0490

# Monochromacy



## Original Color

36.0924, 43.1111, 49.0668

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

37.1709, 41.0480, 45.4991

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.0924, 43.1111, 49.0668 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(140, 184, 179)` looks like.

```
.text, #text, p{  
    color:rgb(140, 184, 179)  
}
```

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(140, 184, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(140, 184, 179) }
```

## Border

The CSS property to change the border of an element to XYZ 36.0924, 43.1111, 49.0668 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(140, 184, 179) }
```



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

```
.border{ border-color:rgb(140, 184, 179) }
```

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

Here you see how a box with a 4 pixel rgb(140, 184, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(140, 184, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(140, 184, 179);  
box-shadow:4px 4px 4px 4px rgb(140, 184,  
179) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.0924, 43.1111, 49.0668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(140, 184, 179) }
```

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

```
.background{ background-color: rgb(140,  
184, 179) }
```

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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