

# Converting Colors

XYZ(36.6859, 44.7950, 39.0371)

Have a look what the booklet for  
XYZ(36.6859, 44.7950, 39.0371)  
contains.

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# Color

**XYZ(36.7325, 44.9191,  
39.0820)**

# Conversions

## Conversions Part 1

Format	Color
Hex	96BC9E
RGB	150, 188, 158
RGB Percent	59%, 74%, 62%
CMY	0.4118, 0.2627, 0.3804
CMYK	0.20, 0.00, 0.16, 0.26
HSL	133°, 22%, 66%
HSV	133°, 20%, 74%
XYZ	36.7325, 44.9191, 39.0820
YIQ	173.2180, -13.0180, -17.3860

# Conversions

## Conversions Part 2

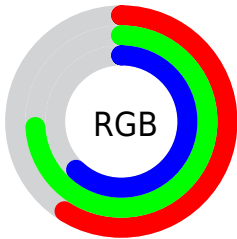
<b>Format</b>	<b>Color</b>
<b>RYB</b>	150, 181, 188
Decimal	9878686
CIELab	72.84, -18.72, 11.03
CIELCh	73, 21.734, 149.488
Yxy	44.9191, 0.3042, 0.3721
Android (android.graphics.Color)	4288068766 (0xFF96BC9E)
YUV	173.2180, -7.5025, -20.3622
Hunter-Lab	67.0217, -19.4577, 12.3417

# Details

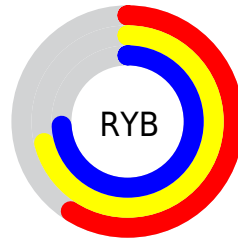
The XYZ color **36.7325, 44.9191, 39.0820** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **39.8852, 35.8005, 47.9902**, and the grayscale version is **39.8746, 41.9512, 45.6848**.

A 20% lighter version of the original color is **69.5378, 82.4846, 75.2069**, and **16.3548, 20.9862, 17.0987** is the 20% darker color. If you saturate the color by 10%, you get **32.3453, 42.7975, 32.6057**, and if you desaturate by 10%, it is **41.8315, 47.3924, 46.3991**.

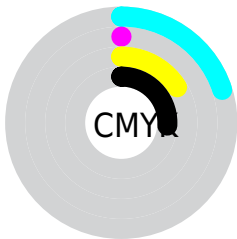
# Distribution



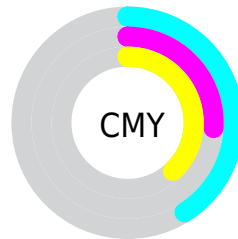
- Red (59%)
- Green (74%)
- Blue (62%)



- Red (59%)
- Yellow (71%)
- Blue (74%)



- Cyan (20%)
- Magenta (0%)
- Yellow (16%)
- Black (26%)



- Cyan (41%)
- Magenta (26%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.7325, 44.9191, 39.0820 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 36.7325, 44.9191, 39.0820 by changing the saturation by 10% instead.



■ 36.7325, 44.9191,  
39.0820

■ 36.7325, 44.9191,  
39.0820

323.5266,  
366.4458, 357.6754

■ 25.1732, 31.3937,  
26.5152

■ 69.4777, 82.5990,  
74.9853

■ 16.3355, 20.8988,  
16.9802

■ 91.3942, 107.5223,  
99.1589

■ 9.8543, 13.0501,  
10.0586

117.4939,  
137.0137, 128.0384

■ 5.3640, 7.4630,  
5.3317

148.1421,  
171.4576, 162.0426

■ 2.4993, 3.7533,  
2.3811

183.7041,  
211.2383, 201.5898

■ 0.8949, 1.5366,  
0.7761

224.5453,

■ 0.0000, 0.3142,

256.7403, 247.0986

0.0000

271.0310,  
308.3480, 298.9876

■ 0.0000, 0.0000,  
0.0000

■ 36.7325, 44.9191,  
39.0820

■ 36.7325, 44.9191,  
39.0820

■ 32.3453, 42.7975,  
32.6057

■ 41.8315, 47.3924,  
46.3991

■ 28.6344, 41.0061,  
26.9371

■ 47.6686, 50.2264,  
54.5824

■ 25.5667, 39.5297,  
22.0454

■ 54.2731, 53.4371,  
63.6603

■ 23.1046, 38.3498,  
17.8966

■ 61.6716, 57.0375,  
73.6587

■ 21.2069, 37.4457,  
14.4541

■ 69.8896, 61.0403,  
84.6024

■ 19.8267, 36.7941,  
11.6784

■ 76.0215, 63.9471,  
96.3785

■ 18.9093, 36.3679,  
9.5258

■ 77.2741, 64.4481,  
102.9747

■ 18.3599, 36.1185,  
7.9739

# Harmonies

## Analogous

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



39.2148, 44.9191, 32.9328



36.7325, 44.9191, 39.0820



35.8296, 44.9191, 48.7236

# Triad

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



36.7325, 44.9191, 39.0820



42.6294, 44.9191, 72.8219



49.3400, 44.9191, 39.3599

# Complementary

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



36.7325, 44.9191, 39.0820



39.8852, 35.8005, 47.9902

# 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.



50.3840, 44.9191, 49.0954



36.7325, 44.9191, 39.0820



46.3736, 44.9191, 69.3625

# Square

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



36.7325, 44.9191, 39.0820



39.1087, 44.9191, 69.1281



49.2685, 44.9191, 60.2596



46.4925, 44.9191, 33.0758



# Rectangle

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



36.7325, 44.9191, 39.0820



36.2012, 44.9191, 56.1891



49.2685, 44.9191, 60.2596



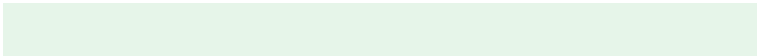
49.9207, 44.9191, 42.2871

# Sweetspot

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



36.7337, 44.9210, 39.0830



79.9982, 87.9203, 89.9976



42.4057, 47.9220, 35.8697



17.0576, 18.8361, 19.1488



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

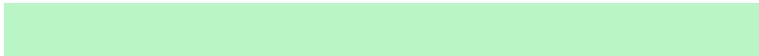


# Same Dimension

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



36.7337, 44.9210, 39.0830



63.0944, 79.7254, 65.7412



38.4583, 45.6108, 48.1647



9.4888, 10.6816, 10.5573



12.5224, 24.5992, 5.5478



0.5149, 0.9733, 0.3457



# Inverse Universe

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



39.8852, 35.8005, 47.9902



69.7824, 60.3653, 84.6398



38.1152, 35.0925, 38.6691



9.8416, 9.6609, 11.5548



17.8103, 8.7553, 20.0923



0.7196, 0.3517, 0.9028



# Previews

## White Background



This preview shows how the XYZ color 36.7325, 44.9191, 39.0820 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

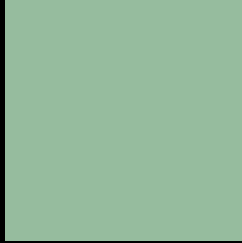
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.7325, 44.9191, 39.0820 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

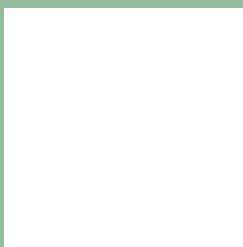
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 36.7325, 44.9191, 39.0820**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.7325, 44.9191, 39.0820.



This preview shows how white text looks on a background with the XYZ color 36.7325, 44.9191,



# 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

36.7325, 44.9191, 39.0820

### Protanopia

42.1637, 44.7055, 36.5438

### Deuteranopia

45.5427, 44.6348, 39.9332



## Tritanopia

40.9162, 45.0663, 59.3655

# Trichromacy



## Original Color

36.7325, 44.9191, 39.0820

## Protanomaly

40.0999, 44.8211, 37.5482

## Deuteranomaly

41.7940, 44.4461, 39.6339

## Tritanomaly

39.2226, 44.9868, 51.4158

# Monochromacy



## Original Color

36.7325, 44.9191, 39.0820

## Achromatopsia

39.7200, 41.7885, 45.5077

## Achromatomaly

38.5053, 42.6673, 43.2519

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.7325, 44.9191, 39.0820 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(150, 188, 158)` looks like.

```
.text, #text, p{  
    color:rgb(150, 188, 158)  
}
```

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(150, 188, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 188, 158) }
```

## Border

The CSS property to change the border of an element to XYZ 36.7325, 44.9191, 39.0820 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(150, 188, 158) }
```



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

```
.border{ border-color:rgb(150, 188, 158) }
```

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

Here you see how a box with a 4 pixel rgb(150, 188, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 188, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 188, 158);  
box-shadow:4px 4px 4px 4px rgb(150, 188,  
158) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.7325, 44.9191, 39.0820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 188, 158) }
```

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

```
.background{ background-color: rgb(150,  
188, 158) }
```

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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