

# Converting Colors

XYZ(36.2238, 42.7075, 39.3610)

Have a look what the booklet for  
XYZ(36.2238, 42.7075, 39.3610)  
contains.

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# Color

**XYZ(36.3124, 42.8291,  
39.1539)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AB69F
RGB	154, 182, 159
RGB Percent	60%, 71%, 62%
CMY	0.3961, 0.2863, 0.3765
CMYK	0.15, 0.00, 0.13, 0.29
HSL	131°, 16%, 66%
HSV	131°, 15%, 71%
XYZ	36.3124, 42.8291, 39.1539
YIQ	171.0060, -9.3050, -13.0890

# Conversions

## Conversions Part 2

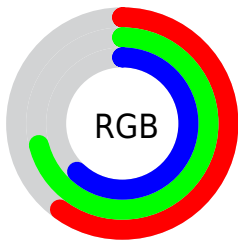
<b>Format</b>	<b>Color</b>
<b>RYB</b>	154, 178, 182
Decimal	10139295
CIELab	71.44, -14.08, 8.53
CIELCh	71, 16.468, 148.788
Yxy	42.8291, 0.3070, 0.3621
Android (android.graphics.Color)	4288329375 (0xFF9AB69F)
YUV	171.0060, -5.9190, -14.9143
Hunter-Lab	65.4439, -15.4839, 10.3387

# Details

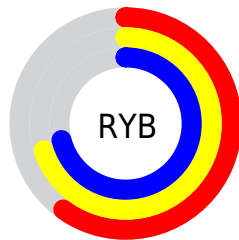
The XYZ color **36.3124, 42.8291, 39.1539** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **38.7843, 36.2317, 46.5462**, and the grayscale version is **38.7448, 40.7625, 44.3904**.

A 20% lighter version of the original color is **69.0066, 79.5594, 75.3378**, and **16.1505, 19.6668, 17.1322** is the 20% darker color. If you saturate the color by 10%, you get **31.8877, 40.6903, 32.5794**, and if you desaturate by 10%, it is **41.4216, 45.3051, 46.5815**.

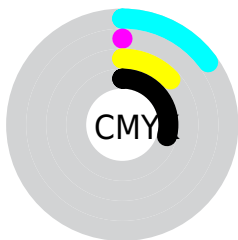
# Distribution



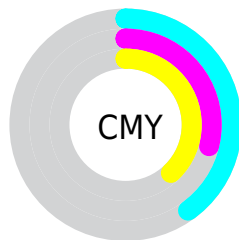
- Red (60%)
- Green (71%)
- Blue (62%)



- Red (60%)
- Yellow (70%)
- Blue (71%)



- Cyan (15%)
- Magenta (0%)
- Yellow (13%)
- Black (29%)



- Cyan (40%)
- Magenta (29%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.3124, 42.8291, 39.1539 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 36.3124, 42.8291, 39.1539 by changing the saturation by 10% instead.



■ 36.3124, 42.8291,  
39.1539

■ 36.3124, 42.8291,  
39.1539

321.7314,  
357.9085, 357.9898

■ 24.8468, 29.7510,  
26.5707

■ 68.8347, 79.4529,  
75.0963

■ 16.0911, 19.6497,  
17.0215

■ 90.6221, 103.7674,  
99.2926

■ 9.6799, 12.1407,  
10.0877

116.5808,  
132.5963, 128.1970

■ 5.2479, 6.8396,  
5.3508

147.0762,  
166.3238, 162.2281

■ 2.4297, 3.3620,  
2.3922

182.4736,  
205.3343, 201.8044

■ 0.8599, 1.3235,  
0.7822

223.1383,

■ 0.0000, 0.1593,

250.0124, 247.3444

0.0000

269.4358,  
300.7423, 299.2667

0.0000, 0.0000,  
0.0000

36.3124, 42.8291,  
39.1539

36.3124, 42.8291,  
39.1539

31.8877, 40.6903,  
32.5794

41.4216, 45.3051,  
46.5815

28.1150, 38.8688,  
26.8245

47.2393, 48.1264,  
54.8882

24.9640, 37.3511,  
21.8581

53.7924, 51.3075,  
64.1025

22.4009, 36.1203,  
17.6457

61.1055, 54.8605,  
74.2508

20.3886, 35.1582,  
14.1504

69.2021, 58.7970,  
85.3584

■ 18.8856, 34.4442,  
11.3320

■ 75.0216, 61.5386,  
97.3052

■ 17.8443, 33.9547,  
9.1465

■ 76.0188, 61.9375,  
102.5563

■ 17.2067, 33.6608,  
7.5445

■ 16.9963, 33.5645,  
6.9851

# Harmonies

## Analogous

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



38.1917, 42.8291, 34.4812



36.3124, 42.8291, 39.1539



35.6024, 42.8291, 46.3110

# Triad

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



36.3124, 42.8291, 39.1539



40.5950, 42.8291, 63.6421



45.5659, 42.8291, 39.6545

# Complementary

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



36.3124, 42.8291, 39.1539



38.7843, 36.2317, 46.5462

# 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.



46.2792, 42.8291, 46.9577



36.3124, 42.8291, 39.1539



43.3320, 42.8291, 61.3505

# Square

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



36.3124, 42.8291, 39.1539



38.0046, 42.8291, 60.9631



45.4443, 42.8291, 55.0099



43.5361, 42.8291, 34.7463



# Rectangle

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



36.3124, 42.8291, 39.1539



35.8620, 42.8291, 51.7307



45.4443, 42.8291, 55.0099



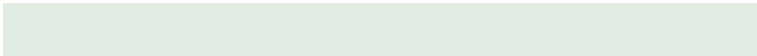
45.9715, 42.8291, 41.8828

# Sweetspot

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



36.3136, 42.8309, 39.1548



75.3920, 82.2786, 84.8777



40.7699, 45.1774, 37.1437



16.4987, 18.0986, 18.5264



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.



36.3136, 42.8309, 39.1548



63.3656, 76.4543, 67.3475



37.5663, 43.3320, 45.7518



8.9541, 10.0856, 9.9156



12.0200, 23.7090, 5.0273



0.4439, 0.8439, 0.2833



# Inverse Universe

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



38.7843, 36.2317, 46.5462



68.5868, 62.5070, 82.9658



37.4891, 35.7136, 39.7257



9.3103, 9.1345, 10.9812



17.5048, 8.5757, 21.0771

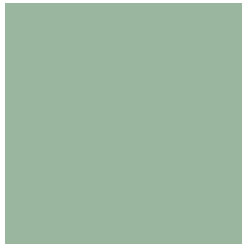


0.6353, 0.3096, 0.8391



# Previews

## White Background



This preview shows how the XYZ color 36.3124, 42.8291, 39.1539 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

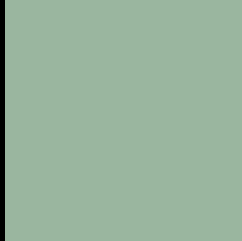
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.3124, 42.8291, 39.1539 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

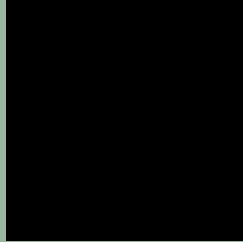
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 36.3124, 42.8291, 39.1539**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.3124, 42.8291, 39.1539.



This preview shows how white text looks on a background with the XYZ color 36.3124, 42.8291,



# 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

36.3124, 42.8291, 39.1539

### Protanopia

40.3439, 42.5837, 37.1035

### Deuteranopia

43.2892, 42.3497, 40.0751



## Tritanopia

39.6233, 42.6795, 55.4398

# Trichromacy



## Original Color

36.3124, 42.8291, 39.1539

## Protanomaly

38.7361, 42.6152, 37.6364

## Deuteranomaly

40.4326, 42.2841, 39.7488

## Tritanomaly

38.3573, 42.7640, 48.8805

# Monochromacy



## Original Color

36.3124, 42.8291, 39.1539

## Achromatopsia

38.7082, 40.7240, 44.3485

## Achromatomaly

37.8221, 41.4493, 42.5663

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.3124, 42.8291, 39.1539 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(154, 182, 159) looks like.

```
.text, #text, p{  
    color:rgb(154, 182, 159)  
}
```

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(154, 182, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 182, 159) }
```

## Border

The CSS property to change the border of an element to XYZ 36.3124, 42.8291, 39.1539 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(154, 182, 159) }
```



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

```
.border{ border-color:rgb(154, 182, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 182, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 182, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 182, 159);  
box-shadow:4px 4px 4px 4px rgb(154, 182,  
159) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.3124, 42.8291, 39.1539 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 182, 159) }
```

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

```
.background{ background-color: rgb(154,  
182, 159) }
```

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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