

# Converting Colors

XYZ(29.7879, 38.5258, 33.7246)

Have a look what the booklet for  
XYZ(29.7879, 38.5258, 33.7246)  
contains.

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# Color

**XYZ(29.9228, 38.7383,  
33.9171)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7DB394
RGB	125, 179, 148
RGB Percent	49%, 70%, 58%
CMY	0.5098, 0.2980, 0.4196
CMYK	0.30, 0.00, 0.17, 0.30
HSL	146°, 26%, 60%
HSV	146°, 30%, 70%
XYZ	29.9228, 38.7383, 33.9171
YIQ	159.3200, -22.2330, -21.0890

# Conversions

## Conversions Part 2

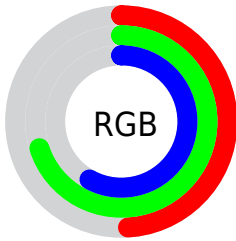
Format	Color
<a href="#">RYB</a>	<a href="#">125, 163, 179</a>
Decimal	<a href="#">8237972</a>
CIELab	<a href="#">68.56, -24.35, 10.22</a>
CIELCh	<a href="#">69, 26.406, 157.231</a>
Yxy	<a href="#">38.7383, 0.2917, 0.3776</a>
Android (android.graphics.Color)	<a href="#">4286428052 (0xFF7DB394)</a>
YUV	<a href="#">159.3200, -5.5808, -30.0986</a>
Hunter-Lab	<a href="#">62.2401, -23.1038, 11.2586</a>

# Details

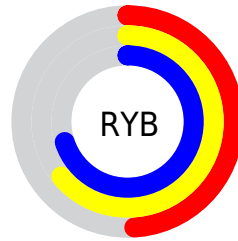
The XYZ color **29.9228, 38.7383, 33.9171** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **31.9260, 26.6521, 34.9156**, and the grayscale version is **33.1340, 34.8595, 37.9620**.

A 20% lighter version of the original color is **58.9594, 73.2646, 66.9111**, and **12.4426, 17.2406, 13.9812** is the 20% darker color. If you saturate the color by 10%, you get **26.7639, 37.2008, 29.7104**, and if you desaturate by 10%, it is **33.6270, 40.5507, 38.5280**.

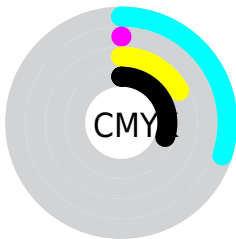
# Distribution



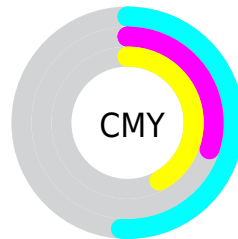
- Red (49%)
- Green (70%)
- Blue (58%)



- Red (49%)
- Yellow (64%)
- Blue (70%)



- Cyan (30%)
- Magenta (0%)
- Yellow (17%)
- Black (30%)




- Cyan (51%)
- Magenta (30%)
- Yellow (42%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 29.9228, 38.7383, 33.9171 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 29.9228, 38.7383, 33.9171 by changing the saturation by 10% instead.





 29.9228, 38.7383,  
33.9171


 29.9228, 38.7383,  
33.9171


293.4607,  
340.7766, 334.5201


 19.9278, 26.5562,  
22.5531


 58.9275, 73.2384,  
66.9372

 12.4505, 17.2402,  
14.0617


 78.6680, 96.3251,  
89.4303

 7.1257, 10.4059,  
8.0243

 102.3876,  
123.8155, 116.4701

 3.5878, 5.6689,  
4.0225

130.4517,  
156.0940, 148.4753

 1.4717, 2.6448,  
1.6377

163.2257,  
193.5450, 185.8644

 0.3065, 0.9492,  
0.3175

201.0750,

 0.0000, 0.0000,

236.5528, 229.0559

0.0000

244.3649,  
285.5019, 278.4682

■ 29.9228, 38.7383,  
33.9171

■ 29.9228, 38.7383,  
33.9171

■ 26.7639, 37.2008,  
29.7104

■ 33.6270, 40.5507,  
38.5280

■ 24.1200, 35.9195,  
25.8942

■ 37.8985, 42.6460,  
43.5511

■ 21.9625, 34.8811,  
22.4580


■ 42.7620, 45.0378,  
48.9974


■ 20.2585, 34.0688,  
19.3894


■ 48.2398, 47.7372,  
54.8767


■ 18.9710, 33.4638,  
16.6758


■ 54.3528, 50.7550,  
61.1985


 18.0564, 33.0439,  
14.3032

 61.1211, 54.1013,  
67.9719

 17.4337, 32.7668,  
12.2871

 68.5639, 57.7857,  
75.2059

 71.6736, 59.2268,  
82.6738

 73.1618, 59.8221,  
90.5101

# Harmonies

## Analogous

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



32.1870, 38.7383, 26.4370



29.9228, 38.7383, 33.9171



29.4378, 38.7383, 45.1305

# Triad

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



29.9228, 38.7383, 33.9171



37.8361, 38.7383, 69.2448



43.5656, 38.7383, 29.7772

# Complementary

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



29.9228, 38.7383, 33.9171



31.9260, 26.6521, 34.9156

# 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.



45.3425, 38.7383, 39.3598



29.9228, 38.7383, 33.9171



41.8766, 38.7383, 63.1845

# Square

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



29.9228, 38.7383, 33.9171



33.8086, 38.7383, 67.0371



44.7022, 38.7383, 51.6851



40.0042, 38.7383, 24.3800



# Rectangle

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



29.9228, 38.7383, 33.9171



30.1527, 38.7383, 53.5595



44.7022, 38.7383, 51.6851



44.4031, 38.7383, 32.5376

# Sweetspot

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



29.9239, 38.7399, 33.9180



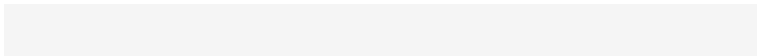
68.7084, 76.7852, 78.9519



33.6304, 40.8406, 25.5129



14.9600, 16.8829, 17.1914



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787



# Same Dimension

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



29.9239, 38.7399, 33.9180



49.8376, 67.5497, 55.8096



32.2676, 39.6774, 46.2601



8.5342, 9.5482, 9.8066



12.3501, 23.1660, 8.8466



0.4180, 0.7407, 0.4333



# Inverse Universe

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



31.9260, 26.6521, 34.9156



53.9828, 42.5119, 57.8660



29.9209, 25.8500, 24.3565



8.6940, 8.5843, 9.8868



14.8915, 7.4742, 9.8546



0.4970, 0.2466, 0.4600



# Previews

## White Background



This preview shows how the XYZ color 29.9228, 38.7383, 33.9171 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

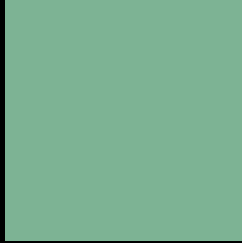
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 29.9228, 38.7383, 33.9171 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

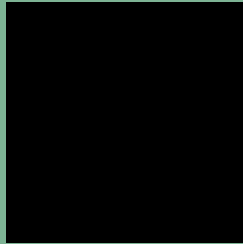
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 29.9228, 38.7383, 33.9171**

## **Background**



This preview shows how black text looks on a background with the XYZ color 29.9228, 38.7383, 33.9171.



This preview shows how white text looks on a background with the XYZ color 29.9228, 38.7383,



# 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**

29.9228, 38.7383, 33.9171

**Protanopia**

36.1979, 38.3394, 31.0836

**Deuteranopia**

39.1514, 38.4481, 35.0635



## Tritanopia

33.7786, 38.8465, 52.7315

# Trichromacy



## Original Color

29.9228, 38.7383, 33.9171

## Protanomaly

33.5016, 38.3075, 32.0139

## Deuteranomaly

35.1056, 38.2390, 34.8088

## Tritanomaly

32.2741, 38.8136, 45.3259

# Monochromacy



## Original Color

29.9228, 38.7383, 33.9171

## Achromatopsia

32.9542, 34.6704, 37.7561

## Achromatomaly

31.5852, 35.8420, 36.2638

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 29.9228, 38.7383, 33.9171 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(125, 179, 148)` looks like.

```
.text, #text, p{  
    color:rgb(125, 179, 148)  
}
```

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(125, 179, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 179, 148) }
```

## Border

The CSS property to change the border of an element to XYZ 29.9228, 38.7383, 33.9171 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(125, 179, 148) }
```



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

```
.border{ border-color:rgb(125, 179, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(125, 179, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 179, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 179, 148);  
box-shadow:4px 4px 4px 4px rgb(125, 179,  
148) }
```

# Background

The CSS property to change the background color of an element to XYZ 29.9228, 38.7383, 33.9171 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 179, 148) }
```

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

```
.background{ background-color: rgb(125,  
179, 148) }
```

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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