

# Converting Colors

XYZ(40.3189, 53.6210, 31.8313)

Have a look what the booklet for  
XYZ(40.3189, 53.6210, 31.8313)  
contains.

<b>XYZ(40.3977, 53.7879, 31.9198)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(40.3977, 53.7879,  
31.9198)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9AD089
RGB	154, 208, 137
RGB Percent	60%, 82%, 54%
CMY	0.3961, 0.1843, 0.4627
CMYK	0.26, 0.00, 0.34, 0.18
HSL	106°, 43%, 68%
HSV	106°, 34%, 82%
XYZ	40.3977, 53.7879, 31.9198
YIQ	183.7600, -9.3930, -33.5290

# Conversions

## Conversions Part 2

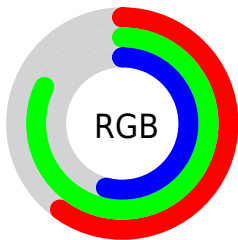
<b>Format</b>	<b>Color</b>
<b>RYB</b>	137, 208, 191
Decimal	10145929
CIELab	78.34, -30.70, 29.79
CIELCh	78, 42.776, 135.858
Yxy	53.7879, 0.3203, 0.4265
Android (android.graphics.Color)	4288336009 (0xFF9AD089)
YUV	183.7600, -23.0527, -26.0995
Hunter-Lab	73.3402, -30.0230, 25.5334

# Details

The XYZ color **40.3977, 53.7879, 31.9198** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **41.8189, 33.5232, 63.9439**, and the grayscale version is **45.5556, 47.9280, 52.1936**.

A 20% lighter version of the original color is **71.7423, 88.9832, 62.6845**, and **18.4378, 26.2211, 12.8935** is the 20% darker color. If you saturate the color by 10%, you get **36.2322, 51.7982, 24.6730**, and if you desaturate by 10%, it is **45.2505, 56.1019, 40.7025**.

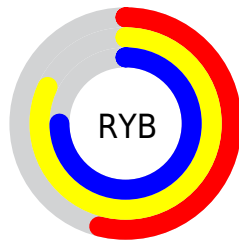
# Distribution



Red (60%)

Green (82%)

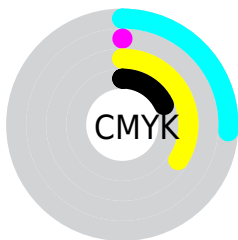
Blue (54%)



Red (54%)

Yellow (82%)

Blue (75%)

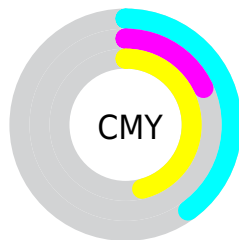


Cyan (26%)

Magenta (0%)

Yellow (34%)

Black (18%)



Cyan (40%)

Magenta (18%)

Yellow (46%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 40.3977, 53.7879, 31.9198 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 40.3977, 53.7879, 31.9198 by changing the saturation by 10% instead.



■ 40.3977, 53.7879,  
31.9198

■ 40.3977, 53.7879,  
31.9198

338.9027,  
401.3007, 325.2352

■ 28.0344, 38.4321,  
21.0359

■ 75.0492, 95.7628,  
63.7818

■ 18.4921, 26.3182,  
12.9588

■ 98.0681, 123.1506,  
85.5970

■ 11.4057, 17.0619,  
7.2698

■ 125.3696,  
155.3180, 111.8931

■ 6.4097, 10.2786,  
3.5504

157.3190,  
192.6492, 143.0885

■ 3.1388, 5.5841,  
1.3821

194.2816,  
235.5287, 179.6019

■ 1.2276, 2.5939,  
0.1277

236.6229,

■ 0.1280, 0.9236,

284.3408, 221.8518

0.0000

284.7081,  
339.4700, 270.2567

0.0000, 0.0000,  
0.0000

40.3977, 53.7879,  
31.9198

40.3977, 53.7879,  
31.9198

36.2322, 51.7982,  
24.6730

45.2505, 56.1019,  
40.7025

32.7179, 50.1113,  
18.8704

50.8164, 58.7468,  
51.0985

29.8215, 48.7138,  
14.4161


57.1246, 61.7379,  
63.1845


27.5048, 47.5882,  
11.2013


64.2017, 65.0871,  
77.0310


25.7252, 46.7154,  
9.1000

72.0729, 68.8061,  
92.7047

 24.4328, 46.0731,  
7.9595

 79.6468, 72.4597,  
104.3960

 23.8625, 45.7869,  
7.5801

 81.8469, 73.5939,  
104.4990

# Harmonies

## Analogous

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



46.8406, 53.7879, 24.4139



40.3977, 53.7879, 31.9198



37.0203, 53.7879, 47.9863

# Triad

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



40.3977, 53.7879, 31.9198



47.2823, 53.7879, 115.7705



68.2674, 53.7879, 46.8252

# Complementary

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



40.3977, 53.7879, 31.9198



41.8189, 33.5232, 63.9439

# 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.



68.4192, 53.7879, 70.5963



40.3977, 53.7879, 31.9198



55.6605, 53.7879, 115.2072

# Square

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



40.3977, 53.7879, 31.9198



40.6905, 53.7879, 98.3765



63.5980, 53.7879, 97.0001



63.2035, 53.7879, 31.2713



# Rectangle

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



40.3977, 53.7879, 31.9198



36.6949, 53.7879, 63.4097



63.5980, 53.7879, 97.0001



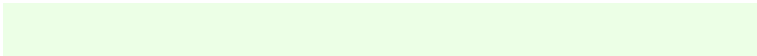
68.9118, 53.7879, 53.9752

# Sweetspot

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



40.3991, 53.7902, 31.9210



84.4339, 94.9705, 88.3763



48.9976, 52.1537, 31.1519



17.7742, 20.1862, 18.3472



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

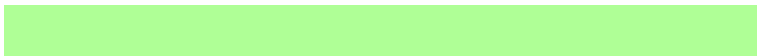


# Same Dimension

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



40.3991, 53.7902, 31.9210



59.0887, 82.9062, 41.9327



38.7694, 52.7907, 39.0478



11.9175, 13.3409, 12.5590



14.9446, 28.5732, 4.7275



0.9083, 1.6351, 0.2677



# Inverse Universe

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



41.8189, 33.5232, 63.9439



61.6515, 45.9945, 100.2362



44.2816, 35.0312, 53.2886



12.0227, 11.8605, 14.8993



15.9989, 7.4280, 37.7830



0.9628, 0.4505, 2.1158



# Previews

## White Background



This preview shows how the XYZ color 40.3977, 53.7879, 31.9198 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

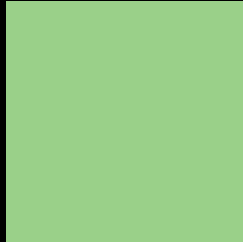
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 40.3977, 53.7879, 31.9198 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 40.3977, 53.7879, 31.9198**

## **Background**



This preview shows how black text looks on a background with the XYZ color 40.3977, 53.7879, 31.9198.



This preview shows how white text looks on a background with the XYZ color 40.3977, 53.7879,



# 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

40.3977, 53.7879, 31.9198

### Protanopia

49.4612, 53.3339, 29.1603

### Deuteranopia

54.2264, 53.1449, 32.9911



## Tritanopia

48.2680, 53.4587, 71.3929

# Trichromacy



## Original Color

40.3977, 53.7879, 31.9198

## Protanomaly

45.4140, 52.9004, 30.0075

## Deuteranomaly

47.8910, 52.4509, 32.4109

## Tritanomaly

44.8837, 53.4676, 54.4090

# Monochromacy



## Original Color

40.3977, 53.7879, 31.9198

## Achromatopsia

45.5594, 47.9320, 52.1980

## Achromatomaly

43.2786, 49.8142, 43.8933

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 40.3977, 53.7879, 31.9198 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, 208, 137)` looks like.

```
.text, #text, p{  
    color:rgb(154, 208, 137)  
}
```

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, 208, 137) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(154, 208, 137) }
```

## Border

The CSS property to change the border of an element to XYZ 40.3977, 53.7879, 31.9198 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, 208, 137) }
```



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

```
.border{ border-color:rgb(154, 208, 137) }
```

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

Here you see how a box with a 4 pixel `rgb(154, 208, 137)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(154, 208, 137); -webkit-box-  
shadow:4px 4px 4px 4px rgb(154, 208, 137);  
box-shadow:4px 4px 4px 4px rgb(154, 208,  
137) }
```

# Background

The CSS property to change the background color of an element to XYZ 40.3977, 53.7879, 31.9198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(154, 208, 137) }
```

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

```
.background{ background-color: rgb(154,  
208, 137) }
```

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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