

# Converting Colors

XYZ(33.1107, 44.6351, 40.5885)

Have a look what the booklet for  
XYZ(33.1107, 44.6351, 40.5885)  
contains.

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# Color

**XYZ(33.1107, 44.6351,  
40.5885)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	77C1A1
RGB	119, 193, 161
RGB Percent	47%, 76%, 63%
CMY	0.5333, 0.2431, 0.3686
CMYK	0.38, 0.00, 0.17, 0.24
HSL	154°, 37%, 61%
HSV	154°, 38%, 76%
XYZ	33.1107, 44.6351, 40.5885
YIQ	167.2260, -33.8320, -25.6400

# Conversions

## Conversions Part 2

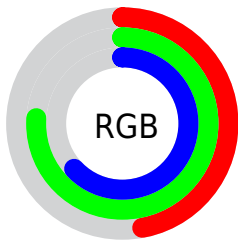
<b>Format</b>	<b>Color</b>
<b>RYB</b>	119, 166, 193
Decimal	7848353
CIELab	72.65, -30.30, 8.91
CIElCh	73, 31.584, 163.618
Yxy	44.6351, 0.2798, 0.3772
Android (android.graphics.Color)	4286038433 (0xFF77C1A1)
YUV	167.2260, -3.0694, -42.2942
Hunter-Lab	66.8095, -28.4523, 10.7464

# Details

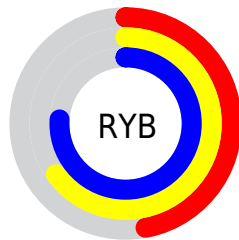
The XYZ color **33.1107, 44.6351, 40.5885** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **34.1765, 26.7665, 32.6450**, and the grayscale version is **36.8680, 38.7880, 42.2402**.

A 20% lighter version of the original color is **64.0358, 82.3278, 77.4815**, and **14.2397, 20.7276, 17.7183** is the 20% darker color. If you saturate the color by 10%, you get **30.0147, 43.1224, 36.7294**, and if you desaturate by 10%, it is **36.7962, 46.4483, 44.7337**.

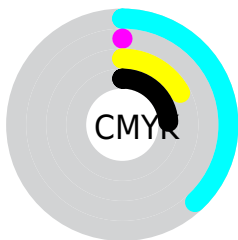
# Distribution



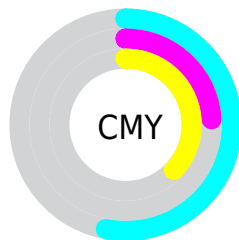
- Red (47%)
- Green (76%)
- Blue (63%)



- Red (47%)
- Yellow (65%)
- Blue (76%)



- Cyan (38%)
- Magenta (0%)
- Yellow (17%)
- Black (24%)



- Cyan (53%)
- Magenta (24%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 33.1107, 44.6351, 40.5885 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 33.1107, 44.6351, 40.5885 by changing the saturation by 10% instead.



■ 33.1107, 44.6351,  
40.5885

■ 33.1107, 44.6351,  
40.5885

307.8044,  
365.2937, 364.2234

■ 22.3709, 31.1701,  
27.6804

■ 63.9018, 82.1726,  
77.3057

■ 14.2478, 20.7284,  
17.8480

■ 84.6839, 107.0138,  
101.9519

■ 8.3761, 12.9256,  
10.6726

■ 109.5441,  
136.4160, 131.3479

■ 4.3903, 7.3774,  
5.7357

138.8478,  
170.7634, 165.9122

■ 1.9252, 3.6992,  
2.6189

172.9603,  
210.4405, 206.0633

■ 0.5914, 1.5068,  
0.9022

212.2470,

■ 0.0000, 0.2935,

255.8316, 252.2199

0.0000

257.0733,  
307.3212, 304.8004

■ 0.0000, 0.0000,  
0.0000

■ 33.1107, 44.6351,  
40.5885

■ 33.1107, 44.6351,  
40.5885

■ 30.0147, 43.1224,  
36.7294

■ 36.7962, 46.4483,  
44.7337

■ 27.4707, 41.8876,  
33.1467

■ 41.0985, 48.5725,  
49.1681

■ 25.4427, 40.9134,  
29.8345


■ 46.0474, 51.0242,  
53.8989


■ 23.8885, 40.1781,  
26.7858


■ 51.6698, 53.8171,  
58.9318


■ 22.7588, 39.6563,  
23.9926


■ 57.9910, 56.9641,  
64.2725


 21.9758, 39.3082,  
21.4456

 65.0350, 60.4776,  
69.9264

 21.8602, 39.2574,  
21.0459

 72.8245, 64.3691,  
75.8990

 74.2829, 64.9905,  
81.8631

 75.4685, 65.4647,  
88.1064

# Harmonies

## Analogous

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



35.5731, 44.6351, 29.8889



33.1107, 44.6351, 40.5885



32.9995, 44.6351, 56.0446

# Triad

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



33.1107, 44.6351, 40.5885



44.9498, 44.6351, 84.1554



50.5050, 44.6351, 30.6380

# Complementary

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



33.1107, 44.6351, 40.5885



34.1765, 26.7665, 32.6450

# 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.



53.4918, 44.6351, 41.8457



33.1107, 44.6351, 40.5885



50.1032, 44.6351, 73.8369

# Square

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



33.1107, 44.6351, 40.5885



39.5260, 44.6351, 83.6143



53.3387, 44.6351, 57.6020



45.4610, 44.6351, 25.0467



# Rectangle

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



33.1107, 44.6351, 40.5885



34.2531, 44.6351, 67.2620



53.3387, 44.6351, 57.6020



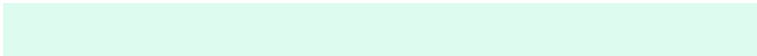
51.8015, 44.6351, 33.7549

# Sweetspot

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



33.1119, 44.6369, 40.5895



78.9192, 89.6214, 93.2076



35.1760, 46.0595, 24.4897



16.6794, 19.1022, 19.7566



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138



# Same Dimension

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



33.1119, 44.6369, 40.5895



54.5849, 77.6344, 66.8669



35.2323, 43.7690, 57.0456



10.1785, 11.3525, 11.9434



14.5798, 26.1260, 14.2120



0.6640, 1.1424, 0.7933



# Inverse Universe

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



34.1765, 26.7665, 32.6450



56.7658, 41.1068, 50.6523



32.5227, 27.0689, 20.9640



10.2500, 10.1486, 11.4070



15.7164, 7.9763, 6.4188



0.7136, 0.3584, 0.4591



# Previews

## White Background



This preview shows how the XYZ color 33.1107, 44.6351, 40.5885 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 33.1107, 44.6351, 40.5885 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

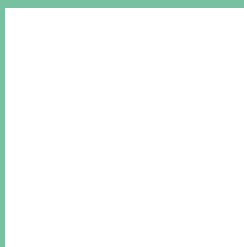
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 33.1107, 44.6351, 40.5885**

## **Background**



This preview shows how black text looks on a background with the XYZ color 33.1107, 44.6351, 40.5885.



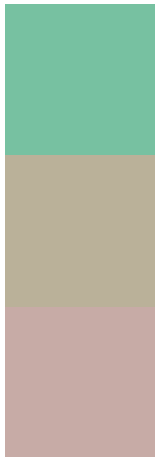
This preview shows how white text looks on a background with the XYZ color 33.1107, 44.6351,



# 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

33.1107, 44.6351, 40.5885

### Protanopia

41.7216, 44.1833, 36.4663

### Deuteranopia

44.9990, 44.0211, 42.2016



## Tritanopia

37.4843, 44.4720, 62.4854

# Trichromacy



**Original Color**

33.1107, 44.6351, 40.5885

**Protanomaly**

37.8345, 43.9487, 37.9413

**Deuteranomaly**

39.3985, 43.4666, 41.4353

**Tritanomaly**

35.6247, 44.3430, 53.6951

# Monochromacy



**Original Color**

33.1107, 44.6351, 40.5885

**Achromatopsia**

36.7301, 38.6429, 42.0822

**Achromatomaly**

34.8945, 40.2513, 41.5275

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 33.1107, 44.6351, 40.5885 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(119, 193, 161)` looks like.

```
.text, #text, p{  
    color:rgb(119, 193, 161)  
}
```

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(119, 193, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 193, 161) }
```

## Border

The CSS property to change the border of an element to XYZ 33.1107, 44.6351, 40.5885 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(119, 193, 161) }
```



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

```
.border{ border-color:rgb(119, 193, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 193, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(119, 193, 161); -webkit-box-shadow:4px 4px 4px 4px rgb(119, 193, 161); box-shadow:4px 4px 4px 4px rgb(119, 193, 161) }
```

# Background

The CSS property to change the background color of an element to XYZ 33.1107, 44.6351, 40.5885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 193, 161) }
```

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

```
.background{ background-color: rgb(119,  
193, 161) }
```

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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