

# Converting Colors

XYZ(31.6543, 40.8082, 38.2653)

Have a look what the booklet for  
XYZ(31.6543, 40.8082, 38.2653)  
contains.

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# Color

**XYZ(31.6235, 40.7369,  
38.0946)**

# Conversions

## Conversions Part 1

Format	Color
Hex	7EB79D
RGB	126, 183, 157
RGB Percent	49%, 72%, 62%
CMY	0.5059, 0.2823, 0.3843
CMYK	0.31, 0.00, 0.14, 0.28
HSL	153°, 28%, 61%
HSV	153°, 31%, 72%
XYZ	31.6235, 40.7369, 38.0946
YIQ	162.9930, -25.6260, -20.1700

# Conversions

## Conversions Part 2

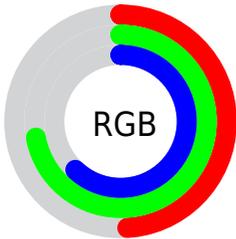
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	126, 163, 183
Decimal	8304541
CIE <sub>Lab</sub>	69.99, -24.19, 7.33
CIE <sub>LCh</sub>	70, 25.273, 163.134
Yxy	40.7369, 0.2863, 0.3688
Android (android.graphics.Color)	4286494621 (0xFF7EB79D)
YUV	162.9930, -2.9545, -32.4429
Hunter-Lab	63.8255, -23.2535, 9.2902

# Details

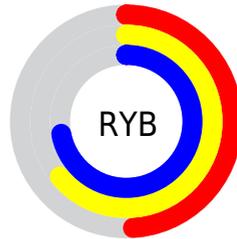
The XYZ color **31.6235, 40.7369, 38.0946** is a light color, and the websafe version is hex **99CC99**. A complement of this color would be **32.6582, 27.2570, 33.2473**, and the grayscale version is **34.8325, 36.6465, 39.9081**.

A 20% lighter version of the original color is **61.5726, 76.1898, 73.7482**, and **13.4858, 18.5017, 16.4961** is the 20% darker color. If you saturate the color by 10%, you get **28.4795, 39.1968, 34.3537**, and if you desaturate by 10%, it is **35.3121, 42.5543, 42.1170**.

# Distribution



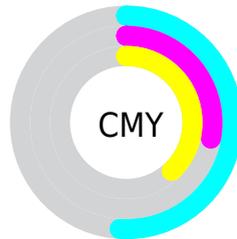
- Red (49%)
- Green (72%)
- Blue (62%)



- Red (49%)
- Yellow (64%)
- Blue (72%)



- Cyan (31%)
- Magenta (0%)
- Yellow (14%)
- Black (28%)



- Cyan (51%)
- Magenta (28%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6235, 40.7369, 38.0946 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 31.6235, 40.7369, 38.0946 by changing the saturation by 10% instead.

 31.6235, 40.7369,  
38.0946

 31.6235, 40.7369,  
38.0946

301.1764,  
349.2198, 353.3360

 21.2282, 28.1136,  
25.7537

 61.5896, 76.2843,  
73.4581

 13.4043, 18.4113,  
16.4154

 81.8911, 99.9772,  
97.3179

 7.7865, 11.2457,  
9.6610

 106.2254,  
128.1288, 125.8543

 4.0093, 6.2323,  
5.0721

134.9579,  
161.1233, 159.4860

 1.7074, 2.9869,  
2.2302

168.4539,  
199.3453, 198.6315

 0.4609, 1.1249,  
0.6917

207.0787,

 0.0000, 0.0000,

243.1791, 243.7093

0.0000

251.1978,  
293.0092, 295.1379

■ 31.6235, 40.7369,  
38.0946

■ 31.6235, 40.7369,  
38.0946

■ 28.4795, 39.1968,  
34.3537

■ 35.3121, 42.5543,  
42.1170

■ 25.8489, 37.9147,  
30.8852

■ 39.5677, 44.6573,  
46.4242

■ 23.7021, 36.8766,  
27.6833

■ 44.4157, 47.0597,  
51.0230

■ 22.0054, 36.0653,  
24.7412

■ 49.8787, 49.7733,  
55.9192

■ 20.7201, 35.4609,  
22.0514

■ 55.9782, 52.8090,  
61.1182

 19.8006, 35.0401,  
19.6060

 62.7347, 56.1771,  
66.6255

 19.2115, 34.7793,  
17.6367

 70.1675, 59.8878,  
72.4461

 71.5996, 60.4986,  
78.2719

 72.7586, 60.9622,  
84.3751

# Harmonies

## Analogous

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



33.5526, 40.7369, 29.7763



31.6235, 40.7369, 38.0946



31.5070, 40.7369, 49.7120

# Triad

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



31.6235, 40.7369, 38.0946



40.5469, 40.7369, 70.3149



44.7914, 40.7369, 30.5844

# Complementary

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



31.6235, 40.7369, 38.0946



32.6582, 27.2570, 33.2473

# 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.



46.9557, 40.7369, 39.3984



31.6235, 40.7369, 38.0946



44.3907, 40.7369, 63.0530

# Square

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



31.6235, 40.7369, 38.0946



36.4664, 40.7369, 69.7964



46.8041, 40.7369, 51.2675



41.0629, 40.7369, 25.9969

# Rectangle

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



31.6235, 40.7369, 38.0946



32.4584, 40.7369, 57.9451



46.8041, 40.7369, 51.2675



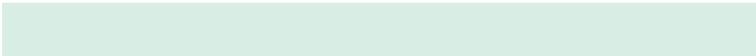
45.7374, 40.7369, 33.0765

# Sweetspot

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



31.6246, 40.7386, 38.0955



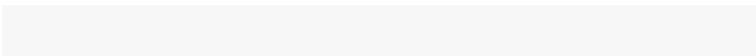
72.5117, 80.7937, 84.7459



33.7622, 42.1085, 26.0876



15.7498, 17.7132, 18.4596



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

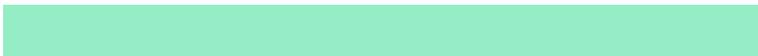


# Same Dimension

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



31.6246, 40.7386, 38.0955



52.8882, 71.1198, 63.8377



33.6970, 40.9447, 50.9288



9.0891, 10.1396, 10.6267



13.4367, 24.2756, 12.4875



0.5045, 0.8681, 0.6025



# Inverse Universe

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



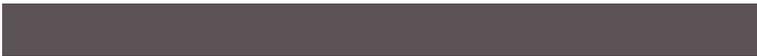
32.6582, 27.2570, 33.2473



55.0189, 43.3463, 53.8565



31.0017, 26.9869, 23.3144



9.1704, 9.0785, 10.2447



14.7593, 7.4775, 6.6192

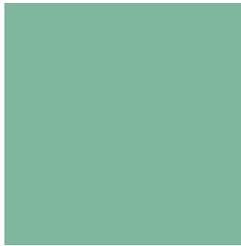


0.5516, 0.2761, 0.3981



# Previews

## White Background



This preview shows how the XYZ color 31.6235, 40.7369, 38.0946 looks on a white background.

## Color Contrast Check

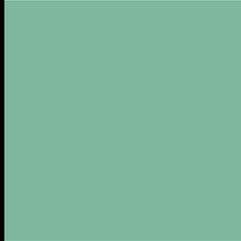
Large Text (above 18pt) WCAG AA × Fail

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 31.6235, 40.7369, 38.0946 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

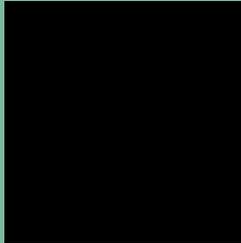
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 31.6235, 40.7369, 38.0946**

## **Background**



This preview shows how black text looks on a background with the XYZ color 31.6235, 40.7369, 38.0946.



This preview shows how white text looks on a background with the XYZ color 31.6235, 40.7369,



# 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

31.6235, 40.7369, 38.0946

### Protanopia

38.2398, 40.4164, 34.6399

### Deuteranopia

41.1234, 40.4306, 39.3547



## Tritanopia

35.1077, 40.6331, 55.8618

# Trichromacy



## Original Color

31.6235, 40.7369, 38.0946

## Protanomaly

35.3778, 40.3308, 36.0570

## Deuteranomaly

37.0340, 40.2586, 39.0765

## Tritanomaly

33.6639, 40.6430, 48.7184

# Monochromacy



## Original Color

31.6235, 40.7369, 38.0946

## Achromatopsia

34.8123, 36.6253, 39.8849

## Achromatomaly

33.3854, 37.8067, 39.2560

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 31.6235, 40.7369, 38.0946 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(126, 183, 157)` looks like.

```
.text, #text, p{  
    color:rgb(126, 183, 157)  
}
```

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(126, 183, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(126, 183, 157) }
```

## Border

The CSS property to change the border of an element to XYZ 31.6235, 40.7369, 38.0946 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(126, 183, 157) }
```

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

```
.border{ border-color:rgb(126, 183, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(126, 183, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(126, 183, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(126, 183, 157);  
box-shadow:4px 4px 4px 4px rgb(126, 183,  
157) }
```

# Background

The CSS property to change the background color of an element to XYZ 31.6235, 40.7369, 38.0946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(126, 183, 157) }
```

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

```
.background{ background-color: rgb(126,  
183, 157) }
```

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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