

Converting Colors

XYZ(33.6228, 39.3984, 40.6150)

Have a look what the booklet for
XYZ(33.6228, 39.3984, 40.6150)
contains.

XYZ(33.6179, 39.3240, 40.4688)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(33.6179, 39.3240,
40.4688)**

Conversions

Conversions Part 1

Format	Color
Hex	91AFA3
RGB	145, 175, 163
RGB Percent	57%, 69%, 64%
CMY	0.4314, 0.3137, 0.3608
CMYK	0.17, 0.00, 0.07, 0.31
HSL	156°, 16%, 63%
HSV	156°, 17%, 69%
XYZ	33.6179, 39.3240, 40.4688
YIQ	164.6620, -14.0280, -10.0920

Conversions

Conversions Part 2

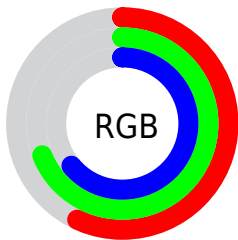
Format	Color
RYB	145, 164, 175
Decimal	9547683
CIELab	68.99, -12.71, 2.73
CIELCh	69, 13.004, 167.885
Yxy	39.3240, 0.2964, 0.3467
Android (android.graphics.Color)	4287737763 (0xFF91AFA3)
YUV	164.6620, -0.8194, -17.2436
Hunter-Lab	62.7089, -14.0475, 5.6337

Details

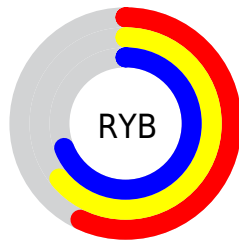
The XYZ color **33.6179, 39.3240, 40.4688** is a light color, and the websafe version is hex **669999**. A complement of this color would be **33.8918, 31.8001, 36.2518**, and the grayscale version is **35.6118, 37.4664, 40.8009**.

A 20% lighter version of the original color is **64.7840, 74.3559, 77.2673**, and **14.4449, 17.4464, 17.6451** is the 20% darker color. If you saturate the color by 10%, you get **30.1587, 37.6123, 37.1230**, and if you desaturate by 10%, it is **37.5891, 41.2978, 44.0215**.

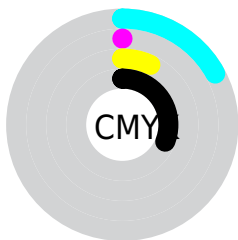
Distribution



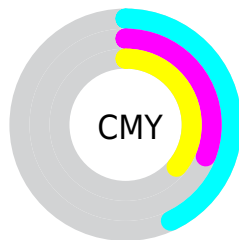
- Red (57%)
- Green (69%)
- Blue (64%)



- Red (57%)
- Yellow (64%)
- Blue (69%)



- Cyan (17%)
- Magenta (0%)
- Yellow (7%)
- Black (31%)



- Cyan (43%)
- Magenta (31%)
- Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.6179, 39.3240, 40.4688 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 33.6179, 39.3240, 40.4688 by changing the saturation by 10% instead.

■ 33.6179, 39.3240,
40.4688

■ 33.6179, 39.3240,
40.4688

310.0409,
343.2660, 363.7062

■ 22.7617, 27.0119,
27.5877

■ 64.6873, 74.1330,
77.1217

■ 14.5374, 17.5821,
17.7788

■ 85.6312, 97.3987,
101.7306

■ 8.5796, 10.6504,
10.6235

110.6684,
125.0844, 131.0859

■ 4.5229, 5.8323,
5.7033

140.1642,
157.5744, 165.6060

■ 2.0020, 2.7434,
2.5997

174.4840,
195.2532, 205.7096

■ 0.6351, 0.9993,
0.8923

213.9931,

■ 0.0000, 0.0000,

238.5051, 251.8151

0.0000

259.0570,
287.7146, 304.3411

■ 33.6179, 39.3240,
40.4688

■ 33.6179, 39.3240,
40.4688

■ 30.1587, 37.6123,
37.1230

■ 37.5891, 41.2978,
44.0215

■ 27.1860, 36.1463,
33.9776

■ 42.0898, 43.5394,
47.7823

■ 24.6769, 34.9155,
31.0293

■ 47.1407, 46.0605,
51.7558

■ 22.6053, 33.9064,
28.2739

■ 52.7605, 48.8707,
55.9455

■ 20.9427, 33.1044,
25.7068

■ 58.9668, 51.9791,
60.3550

■ 19.6566, 32.4928,
23.3234

■ 65.7767, 55.3942,
64.9876

■ 18.7096, 32.0524,
21.1186

■ 68.4554, 56.6752,
69.6243

■ 18.0467, 31.7550,
19.0863

■ 69.3581, 57.0363,
74.3778

■ 17.8802, 31.6812,
18.5356

■ 70.2996, 57.4129,
79.3356

Harmonies

Analogous

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



34.5006, 39.3240, 35.6180



33.6179, 39.3240, 40.4688



33.7146, 39.3240, 46.4144

Triad

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



33.6179, 39.3240, 40.4688



38.6121, 39.3240, 54.6084



40.1098, 39.3240, 34.9052

Complementary

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



33.6179, 39.3240, 40.4688



33.8918, 31.8001, 36.2518

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.



41.2939, 39.3240, 39.4107



33.6179, 39.3240, 40.4688



40.4075, 39.3240, 50.9264

Square

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



33.6179, 39.3240, 40.4688



36.5471, 39.3240, 54.9584



41.4048, 39.3240, 45.2546



38.2180, 39.3240, 32.6102

Rectangle

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



33.6179, 39.3240, 40.4688



34.3218, 39.3240, 50.2061



41.4048, 39.3240, 45.2546



40.6068, 39.3240, 36.1913

Sweetspot

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



33.6190, 39.3256, 40.4697



68.8969, 74.7452, 80.1920



34.4445, 39.9245, 32.6795



15.1946, 16.5540, 17.7224



84.5950, 89.0005, 96.9216



16.2198, 17.0645, 18.5832

Same Dimension

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



33.6190, 39.3256, 40.4697



57.4839, 69.0775, 69.9032



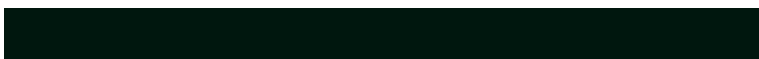
34.2641, 38.8122, 46.2449



8.0986, 9.0170, 9.5442



12.8350, 22.6993, 13.4365



0.3831, 0.6419, 0.5110

Inverse Universe

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



33.8918, 31.8001, 36.2518



58.0754, 52.7732, 60.7673



33.3029, 32.1826, 31.2453



8.1330, 8.0665, 9.0113



13.4812, 6.8550, 4.9136



0.4025, 0.2017, 0.2814

Previews

White Background



This preview shows how the XYZ color 33.6179, 39.3240, 40.4688 looks on a white background.

Color Contrast Check

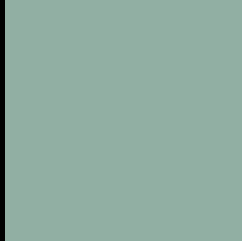
Large Text (above 18pt) WCAG AA × Fail

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 33.6179, 39.3240, 40.4688 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

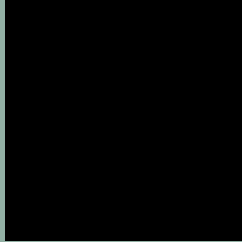
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

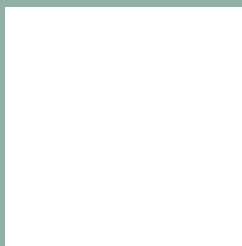
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.6179, 39.3240, 40.4688

Background



This preview shows how black text looks on a background with the XYZ color 33.6179, 39.3240, 40.4688.



This preview shows how white text looks on a background with the XYZ color 33.6179, 39.3240,

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

33.6179, 39.3240, 40.4688

Protanopia

37.3103, 39.0249, 38.3670

Deuteranopia

39.9877, 39.2618, 41.5471



Tritanopia

35.9039, 39.3974, 51.6111

Trichromacy



Original Color

33.6179, 39.3240, 40.4688

Protanomaly

35.8241, 39.0740, 38.9116

Deuteranomaly

37.1878, 38.9001, 41.1458

Tritanomaly

35.0921, 39.3574, 47.3422

Monochromacy



Original Color

33.6179, 39.3240, 40.4688

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9894, 38.3254, 40.6754

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.6179, 39.3240, 40.4688 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(145, 175, 163)` looks like.

```
.text, #text, p{  
    color:rgb(145, 175, 163)  
}
```

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(145, 175, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 175, 163) }
```

Border

The CSS property to change the border of an element to XYZ 33.6179, 39.3240, 40.4688 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(145, 175, 163) }
```


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

```
.border{ border-color:rgb(145, 175, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 175, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 175, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 175, 163);  
box-shadow:4px 4px 4px 4px rgb(145, 175,  
163) }
```

Background

The CSS property to change the background color of an element to XYZ 33.6179, 39.3240, 40.4688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 175, 163) }
```

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

```
.background{ background-color: rgb(145,  
175, 163) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor