

Converting Colors

XYZ(32.9984, 39.9067, 39.6750)

Have a look what the booklet for
XYZ(32.9984, 39.9067, 39.6750)
contains.

XYZ(33.0009, 39.9030, 39.6809)	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(33.0009, 39.9030,
39.6809)**

Conversions

Conversions Part 1

Format	Color
Hex	8BB2A1
RGB	139, 178, 161
RGB Percent	55%, 70%, 63%
CMY	0.4549, 0.3019, 0.3686
CMYK	0.22, 0.00, 0.10, 0.30
HSL	154°, 20%, 62%
HSV	154°, 22%, 70%
XYZ	33.0009, 39.9030, 39.6809
YIQ	164.4010, -17.7870, -13.5550

Conversions

Conversions Part 2

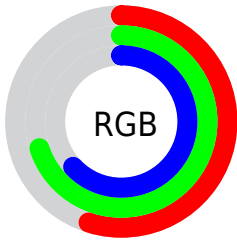
Format	Color
RYB	139, 164, 178
Decimal	9155233
CIELab	69.40, -16.68, 4.38
CIElCh	69, 17.247, 165.273
Yxy	39.9030, 0.2931, 0.3544
Android (android.graphics.Color)	4287345313 (0xFF8BB2A1)
YUV	164.4010, -1.6767, -22.2767
Hunter-Lab	63.1688, -17.2928, 6.9738

Details

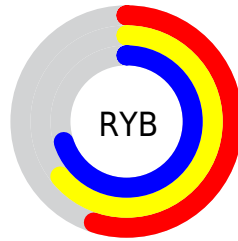
The XYZ color **33.0009, 39.9030, 39.6809** is a light color, and the websafe version is hex **99CCCC**. A complement of this color would be **33.5949, 30.3316, 35.5382**, and the grayscale version is **35.4924, 37.3408, 40.6641**.

A 20% lighter version of the original color is **63.8098, 75.1410, 76.1063**, and **14.1726, 17.8677, 17.4537** is the 20% darker color. If you saturate the color by 10%, you get **29.6043, 38.2297, 36.0604**, and if you desaturate by 10%, it is **36.9262, 41.8461, 43.5495**.

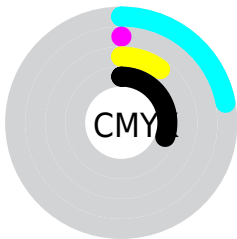
Distribution



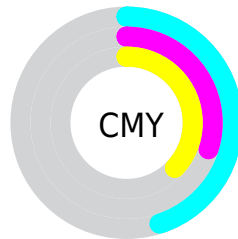
- Red (55%)
- Green (70%)
- Blue (63%)



- Red (55%)
- Yellow (64%)
- Blue (70%)



- Cyan (22%)
- Magenta (0%)
- Yellow (10%)
- Black (30%)



- Cyan (45%)
- Magenta (30%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 33.0009, 39.9030, 39.6809 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 33.0009, 39.9030, 39.6809 by changing the saturation by 10% instead.


 33.0009, 39.9030,
39.6809

 33.0009, 39.9030,
39.6809


307.3187,
345.7146, 360.2888

 22.2864, 27.4629,
26.9779


 63.7316, 75.0158,
75.9091

 14.1853, 17.9212,
17.3244


 84.4785, 98.4573,
100.2715

 8.3322, 10.8934,
10.3016

 109.3002,
126.3347, 129.3573

 4.3618, 5.9952,
5.4912

138.5621,
159.0324, 163.5853

 1.9088, 2.8422,
2.4745

172.6296,
196.9349, 203.3739

 0.5819, 1.0499,
0.8266

211.8679,

 0.0000, 0.0000,

240.4265, 249.1416

0.0000

256.6425,
289.8916, 301.3071

■ 33.0009, 39.9030,
39.6809

■ 33.0009, 39.9030,
39.6809

■ 29.6043, 38.2297,
36.0604

■ 36.9262, 41.8461,
43.5495

■ 26.7088, 36.8089,
32.6803

■ 41.3994, 44.0656,
47.6686

■ 24.2895, 35.6287,
29.5361

■ 46.4427, 46.5739,
52.0438

■ 22.3178, 34.6748,
26.6223

■ 52.0763, 49.3813,
56.6796

■ 20.7619, 33.9306,
23.9331

■ 58.3192, 52.4977,
61.5807

■ 19.5855, 33.3776,
21.4621

■ 65.1896, 55.9321,
66.7514

■ 18.7457, 32.9937,
19.2029

■ 69.4681, 58.0251,
72.0445

■ 18.2411, 32.7703,
17.5236

■ 70.4912, 58.4343,
77.4323

■ 71.5623, 58.8628,
83.0727

Harmonies

Analogous

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



34.2638, 39.9030, 33.5648



33.0009, 39.9030, 39.6809



33.0129, 39.9030, 47.5947

Triad

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



33.0009, 39.9030, 39.6809



39.3483, 39.9030, 59.9026



41.8032, 39.9030, 33.4782

Complementary

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



33.0009, 39.9030, 39.6809



33.5949, 30.3316, 35.5382

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.



43.3052, 39.9030, 39.5486



33.0009, 39.9030, 39.6809



41.8416, 39.9030, 55.1016

Square

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



33.0009, 39.9030, 39.6809



36.5875, 39.9030, 59.9493



43.3196, 39.9030, 47.4454



39.2980, 39.9030, 30.2913

Rectangle

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



33.0009, 39.9030, 39.6809



33.7388, 39.9030, 52.8740



43.3196, 39.9030, 47.4454



42.4474, 39.9030, 35.2139

Sweetspot

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



33.0020, 39.9047, 39.6818



70.7188, 77.7454, 82.4910



34.3990, 40.8296, 30.4946



15.5629, 17.1725, 18.1790



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.



33.0020, 39.9047, 39.6818



56.9320, 70.9241, 68.9216



34.2199, 39.7753, 47.9953



8.5830, 9.5677, 10.0637



13.0831, 23.4592, 12.7065



0.4403, 0.7496, 0.5507

Inverse Universe

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



33.5949, 30.3316, 35.5382



58.1888, 50.6397, 60.1447



32.5390, 30.3651, 28.5728



8.6451, 8.5647, 9.6294



14.1410, 7.1739, 5.9023



0.4744, 0.2375, 0.3410

Previews

White Background



This preview shows how the XYZ color 33.0009, 39.9030, 39.6809 looks on a white background.

Color Contrast Check

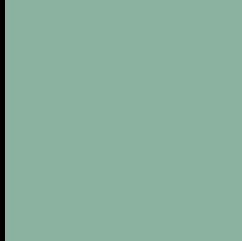
Large Text (above 18pt) WCAG AA × Fail

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 33.0009, 39.9030, 39.6809 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

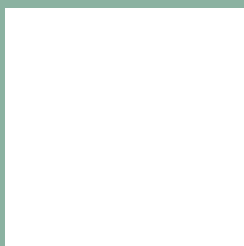
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.0009, 39.9030, 39.6809

Background



This preview shows how black text looks on a background with the XYZ color 33.0009, 39.9030, 39.6809.



This preview shows how white text looks on a background with the XYZ color 33.0009, 39.9030,

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

33.0009, 39.9030, 39.6809

Protanopia

37.6826, 39.5195, 37.0944

Deuteranopia

40.2915, 39.4395, 40.6110



Tritanopia

35.7148, 39.8322, 53.3830

Trichromacy



Original Color

33.0009, 39.9030, 39.6809

Protanomaly

35.8244, 39.6551, 38.1138

Deuteranomaly

37.1911, 39.1957, 40.2557

Tritanomaly

34.5212, 39.6251, 47.9484

Monochromacy



Original Color

33.0009, 39.9030, 39.6809

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

34.3164, 37.9888, 40.1742

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.0009, 39.9030, 39.6809 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(139, 178, 161)` looks like.

```
.text, #text, p{  
    color:rgb(139, 178, 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(139, 178, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 178, 161) }
```

Border

The CSS property to change the border of an element to XYZ 33.0009, 39.9030, 39.6809 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(139, 178, 161) }
```


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

```
.border{ border-color:rgb(139, 178, 161) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 178, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 178, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 178, 161);  
box-shadow:4px 4px 4px 4px rgb(139, 178,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 33.0009, 39.9030, 39.6809 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 178, 161) }
```

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

```
.background{ background-color: rgb(139,  
178, 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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