

Converting Colors

XYZ(34.1046, 39.6286, 27.6097)

Have a look what the booklet for
XYZ(34.1046, 39.6286, 27.6097)
contains.

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Color

**XYZ(33.9989, 39.5151,
27.6650)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AE84
RGB	161, 174, 132
RGB Percent	63%, 68%, 52%
CMY	0.3686, 0.3176, 0.4823
CMYK	0.07, 0.00, 0.24, 0.32
HSL	79°, 21%, 60%
HSV	79°, 24%, 68%
XYZ	33.9989, 39.5151, 27.6650
YIQ	165.3250, 5.7340, -15.8180

Conversions

Conversions Part 2

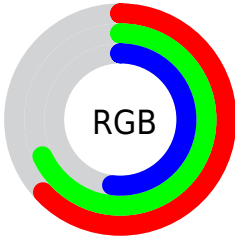
Format	Color
RYB	132, 174, 145
Decimal	10595972
CIELab	69.12, -11.98, 20.09
CIElCh	69, 23.388, 120.801
Yxy	39.5151, 0.3360, 0.3905
Android (android.graphics.Color)	4288786052 (0xFFA1AE84)
YUV	165.3250, -16.4292, -3.7930
Hunter-Lab	62.8610, -13.4636, 17.9093

Details

The XYZ color **33.9989, 39.5151, 27.6650** is a light color, and the websafe version is hex **999966**. A complement of this color would be **27.5697, 25.5792, 43.5307**, and the grayscale version is **35.9957, 37.8702, 41.2407**.

A 20% lighter version of the original color is **65.0952, 74.1403, 56.7786**, and **14.7892, 17.7795, 10.6350** is the 20% darker color. If you saturate the color by 10%, you get **31.8442, 38.5318, 21.8586**, and if you desaturate by 10%, it is **36.4011, 40.6054, 34.5214**.

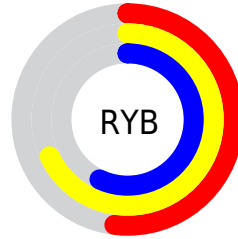
Distribution



Red (63%)

Green (68%)

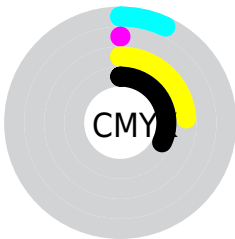
Blue (52%)



Red (52%)

Yellow (68%)

Blue (57%)

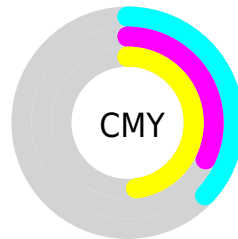


Cyan (7%)

Magenta (0%)

Yellow (24%)

Black (32%)



Cyan (37%)

Magenta (32%)

Yellow (48%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.9989, 39.5151, 27.6650 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 33.9989, 39.5151, 27.6650 by changing the saturation by 10% instead.

■ 33.9989, 39.5151,
27.6650

■ 33.9989, 39.5151,
27.6650

311.7131,
344.0755, 304.7241

■ 23.0556, 27.1607,
17.8364

■ 65.2763, 74.4246,
56.9658

■ 14.7555, 17.6939,
10.6644

■ 86.3411, 97.7484,
77.2751

■ 8.7332, 10.7305,
5.7303

■ 111.5104,
125.4975, 101.9151

■ 4.6233, 5.8859,
2.6157

141.1497,
158.0562, 131.3043

■ 2.0604, 2.7758,
0.9005

175.6243,
195.8090, 165.8613

■ 0.6676, 1.0158,
0.0000

215.2995,

■ 0.0000, 0.0000,

239.1402, 206.0045

0.0000

260.5406,
288.4343, 252.1526

■ 33.9989, 39.5151,
27.6650

■ 33.9989, 39.5151,
27.6650

■ 31.8442, 38.5318,
21.8586

■ 36.4011, 40.6054,
34.5214

■ 29.9234, 37.6461,
17.0477

■ 39.0574, 41.8016,
42.4734

■ 28.2264, 36.8552,
13.1769

■ 41.9781, 43.1090,
51.5673

■ 26.7407, 36.1540,
10.1842

■ 45.1717, 44.5311,
61.8456

■ 25.4526, 35.5370,
8.0004

■ 48.6465, 46.0715,
73.3490

■ 24.3464, 34.9977,
6.5457

■ 52.4104, 47.7331,
86.1160

■ 23.4031, 34.5286,
5.7241

■ 56.4709, 49.5192,
100.1836

■ 22.9014, 34.2765,
5.4090

■ 58.1149, 50.3446,
101.2622

■ 59.6180, 51.1195,
101.3326

Harmonies

Analogous

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



37.4576, 39.5151, 25.5608



33.9989, 39.5151, 27.6650



31.6306, 39.5151, 33.7503

Triad

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



33.9989, 39.5151, 27.6650



34.1619, 39.5151, 63.5948



45.2070, 39.5151, 42.7384

Complementary

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



33.9989, 39.5151, 27.6650



27.5697, 25.5792, 43.5307

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.



44.1829, 39.5151, 53.8605



33.9989, 39.5151, 27.6650



37.6584, 39.5151, 67.0444

Square

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



33.9989, 39.5151, 27.6650



31.7202, 39.5151, 54.4409



41.3570, 39.5151, 63.2225



44.0712, 39.5151, 33.3285

Rectangle

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



33.9989, 39.5151, 27.6650



30.9047, 39.5151, 39.8199



41.3570, 39.5151, 63.2225



45.1034, 39.5151, 46.3981

Sweetspot

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



33.9999, 39.5168, 27.6658



69.3552, 75.1518, 72.5201



31.6862, 30.7946, 26.1042



15.3519, 16.6749, 15.9282



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.



33.9999, 39.5168, 27.6658



59.5138, 70.6930, 44.2888



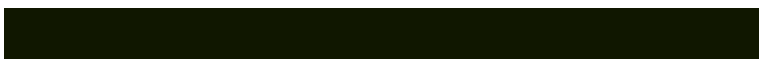
30.1849, 37.5501, 27.4873



8.4178, 9.2040, 8.5462



16.6725, 24.8921, 3.9259



0.5165, 0.7196, 0.1117

Inverse Universe

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



27.5697, 25.5792, 43.5307



45.8024, 40.9656, 78.1300



31.5348, 27.6233, 43.7163



7.8035, 7.8730, 10.0610



6.6942, 2.8109, 29.2342



0.2431, 0.1075, 0.8159

Previews

White Background



This preview shows how the XYZ color 33.9989, 39.5151, 27.6650 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 33.9989, 39.5151, 27.6650 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

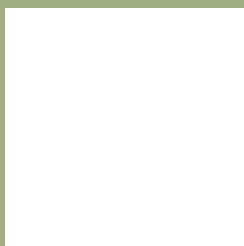
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.9989, 39.5151, 27.6650

Background



This preview shows how black text looks on a background with the XYZ color 33.9989, 39.5151, 27.6650.



This preview shows how white text looks on a background with the XYZ color 33.9989, 39.5151,

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

33.9989, 39.5151, 27.6650

Protanopia

36.7875, 39.2935, 26.4144

Deuteranopia

40.0585, 39.3257, 28.4010



Tritanopia

38.4916, 39.6663, 49.3437

Trichromacy



Original Color

33.9989, 39.5151, 27.6650

Protanomaly

35.6376, 39.2454, 26.8159

Deuteranomaly

37.4677, 39.0609, 28.1190

Tritanomaly

36.5026, 39.3931, 40.3301

Monochromacy



Original Color

33.9989, 39.5151, 27.6650

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

35.0622, 38.1977, 35.6619

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.9989, 39.5151, 27.6650 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(161, 174, 132)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 132)  
}
```

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(161, 174, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 132) }
```

Border

The CSS property to change the border of an element to XYZ 33.9989, 39.5151, 27.6650 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(161, 174, 132) }
```


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

```
.border{ border-color:rgb(161, 174, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 174, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 132);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
132) }
```

Background

The CSS property to change the background color of an element to XYZ 33.9989, 39.5151, 27.6650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 174, 132) }
```

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

```
.background{ background-color: rgb(161,  
174, 132) }
```

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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