

Converting Colors

XYZ(33.9198, 39.5885, 26.6643)

Have a look what the booklet for
XYZ(33.9198, 39.5885, 26.6643)
contains.

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Color

**XYZ(33.7964, 39.4341,
26.5992)**

Conversions

Conversions Part 1

Format	Color
Hex	A1AE81
RGB	161, 174, 129
RGB Percent	63%, 68%, 51%
CMY	0.3686, 0.3176, 0.4941
CMYK	0.07, 0.00, 0.26, 0.32
HSL	77°, 22%, 59%
HSV	77°, 26%, 68%
XYZ	33.7964, 39.4341, 26.5992
YIQ	164.9830, 6.6970, -16.7510

Conversions

Conversions Part 2

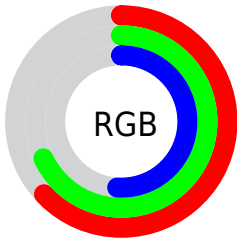
Format	Color
R_{YB}	129, 174, 142
Decimal	10595969
CIE _{Lab}	69.06, -12.43, 21.64
CIE _{LCh}	69, 24.954, 119.879
Yxy	39.4341, 0.3385, 0.3950
Android (android.graphics.Color)	4288786049 (0xFFA1AE81)
YUV	164.9830, -17.7396, -3.4931
Hunter-Lab	62.7966, -13.8273, 18.8437

Details

The XYZ color **33.7964, 39.4341, 26.5992** is a light color, and the websafe version is hex **999966**. A complement of this color would be **26.6472, 24.5084, 43.3727**, and the grayscale version is **35.8370, 37.7033, 41.0589**.

A 20% lighter version of the original color is **64.7817, 74.0150, 55.1279**, and **14.6775, 17.7348, 10.0467** is the 20% darker color. If you saturate the color by 10%, you get **31.7443, 38.4999, 20.9712**, and if you desaturate by 10%, it is **36.0883, 40.4716, 33.2682**.

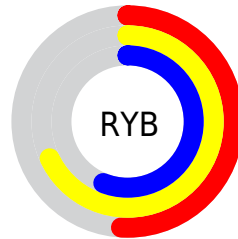
Distribution



Red (63%)

Green (68%)

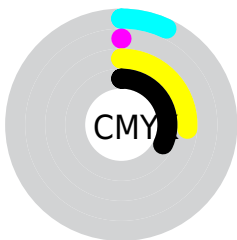
Blue (51%)



Red (51%)

Yellow (68%)

Blue (56%)

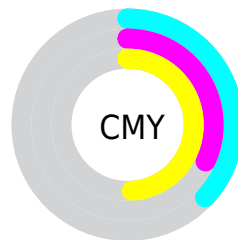


Cyan (7%)

Magenta (0%)

Yellow (26%)

Black (32%)



Cyan (37%)

Magenta (32%)

Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.7964, 39.4341, 26.5992 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 33.7964, 39.4341, 26.5992 by changing the saturation by 10% instead.

■ 33.7964, 39.4341,
26.5992

■ 33.7964, 39.4341,
26.5992

310.8252,
343.7326, 299.4098

■ 22.8994, 27.0976,
17.0427

■ 64.9633, 74.3010,
55.2359

■ 14.6395, 17.6465,
10.1026

■ 85.9639, 97.6002,
75.1532

■ 8.6514, 10.6965,
5.3606

■ 111.0631,
125.3224, 99.3612

■ 4.5698, 5.8632,
2.3979

140.6263,
157.8520, 128.2783

■ 2.0293, 2.7620,
0.7853

175.0187,
195.5735, 162.3232

■ 0.6503, 1.0088,
0.0000

214.6057,

■ 0.0000, 0.0000,

238.8711, 201.9144

0.0000

259.7528,
288.1294, 247.4704

■ 33.7964, 39.4341,
26.5992

■ 33.7964, 39.4341,
26.5992

■ 31.7443, 38.4999,
20.9712

■ 36.0883, 40.4716,
33.2682

■ 29.9184, 37.6595,
16.3291

■ 38.6267, 41.6112,
41.0245

■ 28.3086, 36.9100,
12.6166

■ 41.4218, 42.8582,
49.9146

■ 26.9022, 36.2466,
9.7707

■ 44.4821, 44.2162,
59.9818

■ 25.6854, 35.6634,
7.7204

■ 47.8158, 45.6885,
71.2669

■ 24.6421, 35.1541,
6.3838

■ 51.4309, 47.2782,
83.8088

■ 23.7516, 34.7102,
5.6546

■ 55.3347, 48.9886,
97.6447

■ 23.4092, 34.5383,
5.4328

■ 57.3346, 49.9423,
101.2257

■ 58.7106, 50.6517,
101.2901

Harmonies

Analogous

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



37.4971, 39.4341, 24.5379



33.7964, 39.4341, 26.5992



31.2436, 39.4341, 32.8509

Triad

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



33.7964, 39.4341, 26.5992



33.7703, 39.4341, 64.8211



45.6662, 39.4341, 42.9834

Complementary

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



33.7964, 39.4341, 26.5992



26.6472, 24.5084, 43.3727

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.



44.4976, 39.4341, 54.9013



33.7964, 39.4341, 26.5992



37.4648, 39.4341, 68.7942

Square

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



33.7964, 39.4341, 26.5992



31.2293, 39.4341, 54.8068



41.4240, 39.4341, 64.8821



44.5157, 39.4341, 32.9181

Rectangle

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



33.7964, 39.4341, 26.5992



30.4408, 39.4341, 39.1996



41.4240, 39.4341, 64.8821



45.5305, 39.4341, 46.9048

Sweetspot

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



33.7974, 39.4358, 26.6000



68.9720, 74.9869, 71.0267



31.0553, 29.8566, 24.8956



15.1746, 16.5971, 15.3082



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.



33.7974, 39.4358, 26.6000



59.1329, 70.5421, 42.2169



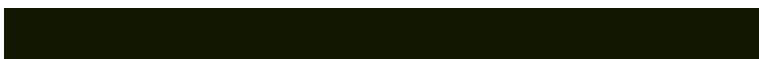
29.7056, 37.3264, 26.4085



8.4338, 9.2122, 8.5470



17.0388, 25.0809, 3.9431



0.5246, 0.7238, 0.1121

Inverse Universe

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



26.6472, 24.5084, 43.3727



43.9613, 38.8589, 77.8204



30.8531, 26.6767, 43.5695



7.7882, 7.8651, 10.0603



6.5576, 2.7404, 29.2278



0.2372, 0.1045, 0.8156

Previews

White Background



This preview shows how the XYZ color 33.7964, 39.4341, 26.5992 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 33.7964, 39.4341, 26.5992 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

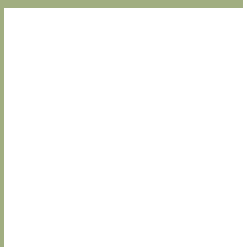
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.7964, 39.4341, 26.5992

Background



This preview shows how black text looks on a background with the XYZ color 33.7964, 39.4341, 26.5992.



This preview shows how white text looks on a background with the XYZ color 33.7964, 39.4341,

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

33.7964, 39.4341, 26.5992

Protanopia

36.5909, 39.2149, 25.3794

Deuteranopia

40.1111, 39.3769, 27.3162



Tritanopia

38.2054, 39.2576, 48.7438

Trichromacy



Original Color

33.7964, 39.4341, 26.5992

Protanomaly

35.4391, 39.1660, 25.7706

Deuteranomaly

37.5001, 39.1015, 27.0436

Tritanomaly

36.3248, 39.3220, 39.3936

Monochromacy



Original Color

33.7964, 39.4341, 26.5992

Achromatopsia

35.7637, 37.6262, 40.9749

Achromatomaly

34.9800, 38.1648, 35.2287

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.7964, 39.4341, 26.5992 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, 129)` looks like.

```
.text, #text, p{  
    color:rgb(161, 174, 129)  
}
```

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, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 174, 129) }
```

Border

The CSS property to change the border of an element to XYZ 33.7964, 39.4341, 26.5992 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, 129) }
```


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

```
.border{ border-color:rgb(161, 174, 129) }
```

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, 129) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 174, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 174, 129);  
box-shadow:4px 4px 4px 4px rgb(161, 174,  
129) }
```

Background

The CSS property to change the background color of an element to XYZ 33.7964, 39.4341, 26.5992 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, 129) }
```

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

```
.background{ background-color: rgb(161,  
174, 129) }
```

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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