

Converting Colors

XYZ(31.9658, 33.8864, 21.3995)

Have a look what the booklet for
XYZ(31.9658, 33.8864, 21.3995)
contains.

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Color

**XYZ(32.0039, 34.0328,
21.4052)**

Conversions

Conversions Part 1

Format	Color
Hex	AB9D74
RGB	171, 157, 116
RGB Percent	67%, 62%, 45%
CMY	0.3294, 0.3843, 0.5451
CMYK	0.00, 0.08, 0.32, 0.33
HSL	45°, 25%, 56%
HSV	45°, 32%, 67%
XYZ	32.0039, 34.0328, 21.4052
YIQ	156.5120, 21.5050, -9.7830

Conversions

Conversions Part 2

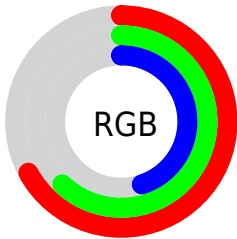
Format	Color
RYB	135, 171, 116
Decimal	11246964
CIELab	64.99, -1.24, 23.34
CIELCh	65, 23.376, 93.039
Yxy	34.0328, 0.3660, 0.3892
Android (android.graphics.Color)	4289437044 (0xFFAB9D74)
YUV	156.5120, -19.9724, 12.7060
Hunter-Lab	58.3376, -4.1662, 19.0817

Details

The XYZ color **32.0039, 34.0328, 21.4052** is a dark color, and the websafe version is hex **999966**. A complement of this color would be **22.5356, 22.6178, 41.7060**, and the grayscale version is **31.9094, 33.5712, 36.5590**.

A 20% lighter version of the original color is **62.0407, 65.7466, 46.4663**, and **13.6384, 14.5649, 7.4027** is the 20% darker color. If you saturate the color by 10%, you get **30.3765, 32.2259, 16.3989**, and if you desaturate by 10%, it is **33.8424, 35.9685, 27.3860**.

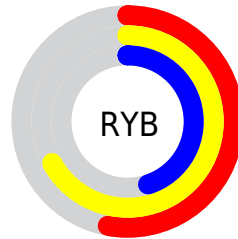
Distribution



Red (67%)

Green (62%)

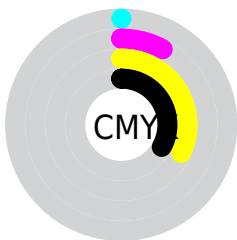
Blue (45%)



Red (53%)

Yellow (67%)

Blue (45%)

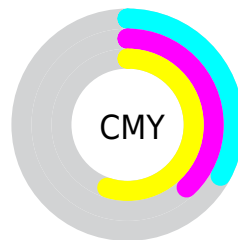


Cyan (0%)

Magenta (8%)

Yellow (32%)

Black (33%)



Cyan (33%)

Magenta (38%)

Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.0039, 34.0328, 21.4052 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 32.0039, 34.0328, 21.4052 by changing the saturation by 10% instead.

■ 32.0039, 34.0328,
21.4052

■ 32.0039, 34.0328,
21.4052

302.8820,
320.2783, 272.2756

■ 21.5200, 22.9188,
13.2264

■ 62.1824, 65.9847,
46.6504

■ 13.6193, 14.5336,
7.4521

■ 82.6077, 87.5913,
64.5540

■ 7.9363, 8.4927,
3.6637

■ 107.0775,
113.4643, 86.5361

■ 4.1057, 4.4118,
1.4427

135.9572,
143.9881, 113.0155

■ 1.7621, 1.9065,
0.1747

169.6122,
179.5469, 144.4105

■ 0.4947, 0.5523,
0.0000

208.4077,

■ 0.0000, 0.0000,

220.5253, 181.1399

0.0000

252.7092,
267.3077, 223.6221

■ 32.0039, 34.0328,
21.4052

■ 32.0039, 34.0328,
21.4052

■ 30.3765, 32.2259,
16.3989

■ 33.8424, 35.9685,
27.3860

■ 28.9473, 30.5386,
12.3120

■ 35.8989, 38.0326,
34.3882

■ 27.7058, 28.9675,
9.0869

■ 38.1833, 40.2306,
42.4583

■ 26.6394, 27.5071,
6.6587

■ 40.7039, 42.5663,
51.6392

■ 25.7339, 26.1513,
4.9535

■ 43.4687, 45.0434,
61.9713

■ 24.9721, 24.8926,
3.8831

■ 46.4852, 47.6651,
73.4933

■ 24.4468, 23.9624,
3.3367

■ 49.7606, 50.4348,
86.2419

■ 53.3018, 53.3556,
100.2521

■ 54.6223, 55.4334,
102.4285

Harmonies

Analogous

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



35.3838, 34.0328, 22.8201



32.0039, 34.0328, 21.4052



28.9320, 34.0328, 23.5417

Triad

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



32.0039, 34.0328, 21.4052



27.1997, 34.0328, 48.1568



38.4917, 34.0328, 46.1504

Complementary

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



32.0039, 34.0328, 21.4052



22.5356, 22.6178, 41.7060

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.



36.0210, 34.0328, 54.9492



32.0039, 34.0328, 21.4052



29.4894, 34.0328, 56.2421

Square

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



32.0039, 34.0328, 21.4052



26.2823, 34.0328, 38.0513



32.6929, 34.0328, 58.9204



39.2799, 34.0328, 36.0781

Rectangle

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



32.0039, 34.0328, 21.4052



27.4276, 34.0328, 26.9544



32.6929, 34.0328, 58.9204



37.8223, 34.0328, 49.4102

Sweetspot

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



32.0048, 34.0344, 21.4059



65.0728, 68.8770, 64.3034



27.1144, 22.7787, 24.3225



14.3916, 15.2428, 13.9219



82.5889, 86.8899, 94.6231



15.4596, 16.2647, 17.7123

Same Dimension

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



32.0048, 34.0344, 21.4059



55.0902, 58.4956, 31.4303



31.8488, 37.6728, 22.1164



8.4875, 8.9799, 8.4993



18.4730, 18.1516, 2.5300



0.5544, 0.5859, 0.0839

Inverse Universe

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



22.5356, 22.6178, 41.7060



35.3249, 34.6752, 73.8330



22.6244, 20.0856, 41.2125



7.7384, 8.0762, 10.1037



6.2436, 3.6211, 29.4144



0.2175, 0.1884, 0.8329

Previews

White Background



This preview shows how the XYZ color 32.0039, 34.0328, 21.4052 looks on a white background.

Color Contrast Check

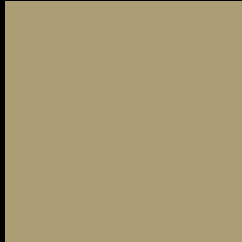
Large Text (above 18pt) WCAG AA × Fail

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 32.0039, 34.0328, 21.4052 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

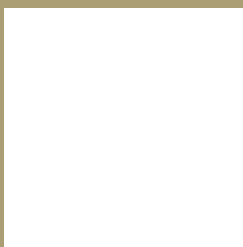
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 32.0039, 34.0328, 21.4052

Background



This preview shows how black text looks on a background with the XYZ color 32.0039, 34.0328, 21.4052.



This preview shows how white text looks on a background with the XYZ color 32.0039, 34.0328,

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

32.0039, 34.0328, 21.4052

Protanopia

31.7414, 34.1497, 21.4416

Deuteranopia

34.5272, 33.8567, 21.5448



Tritanopia

35.5820, 34.0077, 39.3391

Trichromacy



Original Color

32.0039, 34.0328, 21.4052

Protanomaly

31.9568, 34.2607, 21.4517

Deuteranomaly

33.6582, 33.8906, 21.5972

Tritanomaly

34.0351, 33.8565, 31.9352

Monochromacy



Original Color

32.0039, 34.0328, 21.4052

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

31.8397, 33.7483, 30.4271

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.0039, 34.0328, 21.4052 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(171, 157, 116)` looks like.

```
.text, #text, p{  
    color:rgb(171, 157, 116)  
}
```

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(171, 157, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 157, 116) }
```

Border

The CSS property to change the border of an element to XYZ 32.0039, 34.0328, 21.4052 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(171, 157, 116) }
```


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

```
.border{ border-color:rgb(171, 157, 116) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 157, 116)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(171, 157, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(171, 157, 116);  
box-shadow:4px 4px 4px 4px rgb(171, 157,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 32.0039, 34.0328, 21.4052 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 157, 116) }
```

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

```
.background{ background-color: rgb(171,  
157, 116) }
```

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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