

Converting Colors

XYZ(29.7871, 34.1990, 32.2252)

Have a look what the booklet for
XYZ(29.7871, 34.1990, 32.2252)
contains.

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Color

**XYZ(29.7871, 34.1990,
32.2252)**

Conversions

Conversions Part 1

Format	Color
Hex	90A392
RGB	144, 163, 146
RGB Percent	56%, 64%, 57%
CMY	0.4353, 0.3608, 0.4274
CMYK	0.12, 0.00, 0.10, 0.36
HSL	126°, 9%, 60%
HSV	126°, 12%, 64%
XYZ	29.7871, 34.1990, 32.2252
YIQ	155.3810, -5.8670, -9.3150

Conversions

Conversions Part 2

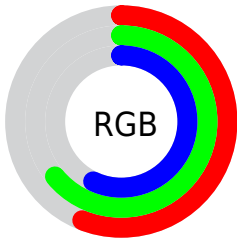
Format	Color
RYB	144, 161, 163
Decimal	9479058
CIELab	65.12, -10.03, 6.58
CIElCh	65, 11.996, 146.739
Yxy	34.1990, 0.3096, 0.3555
Android (android.graphics.Color)	4287669138 (0xFF90A392)
YUV	155.3810, -4.6248, -9.9811
Hunter-Lab	58.4799, -11.4198, 8.2643

Details

The XYZ color **29.7871, 34.1990, 32.2252** is a light color, and the websafe version is hex **999999**. A complement of this color would be **31.5118, 30.3071, 37.9089**, and the grayscale version is **31.3470, 32.9795, 35.9147**.

A 20% lighter version of the original color is **58.7854, 66.3187, 64.3460**, and **12.4119, 14.5931, 13.2289** is the 20% darker color. If you saturate the color by 10%, you get **26.0800, 32.4117, 26.5025**, and if you desaturate by 10%, it is **34.0520, 36.2590, 38.7310**.

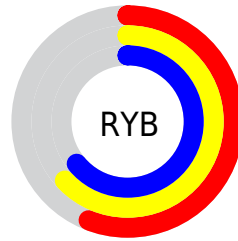
Distribution



Red (56%)

Green (64%)

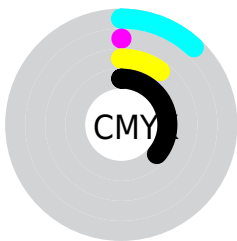
Blue (57%)



Red (56%)

Yellow (63%)

Blue (64%)

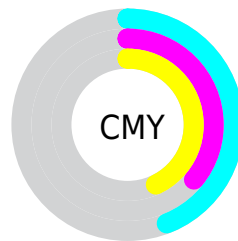


Cyan (12%)

Magenta (0%)

Yellow (10%)

Black (36%)



Cyan (44%)

Magenta (36%)

Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.7871, 34.1990, 32.2252 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 29.7871, 34.1990, 32.2252 by changing the saturation by 10% instead.

■ 29.7871, 34.1990,
32.2252

■ 29.7871, 34.1990,
32.2252

292.8385,
321.0185, 326.6681

■ 19.8243, 23.0465,
21.2673

■ 58.7143, 66.2430,
64.2660

■ 12.3749, 14.6279,
13.1264

■ 78.4094, 87.9033,
86.1859

■ 7.0736, 8.5586,
7.3839

102.0793,
113.8350, 112.5970

■ 3.5549, 4.4544,
3.6213

130.0894,
144.4226, 143.9178

■ 1.4535, 1.9309,
1.4200

162.8050,
180.0503, 180.5667

■ 0.2939, 0.5668,
0.1572

200.5914,

■ 0.0000, 0.0000,

221.1026, 222.9624

0.0000

243.8142,
267.9638, 271.5234

■ 29.7871, 34.1990,
32.2252

■ 29.7871, 34.1990,
32.2252

■ 26.0800, 32.4117,
26.5025

■ 34.0520, 36.2590,
38.7310

■ 22.9049, 30.8816,
21.5313

■ 38.8934, 38.5980,
46.0456

■ 20.2381, 29.5982,
17.2810

■ 44.3328, 41.2273,
54.1962

■ 18.0531, 28.5484,
13.7182

■ 50.3896, 44.1566,
63.2081

■ 16.3211, 27.7181,
10.8067

■ 57.0825, 47.3947,
73.1055

■ 15.0099, 27.0917,
8.5072

■ 64.4292, 50.9505,
83.9116

■ 14.0832, 26.6514,
6.7758

■ 71.2958, 54.2389,
95.5951

■ 13.4986, 26.3762,
5.5631

■ 72.3879, 54.6757,
101.3460

■ 13.2003, 26.2367,
4.9052

Harmonies

Analogous

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



31.0230, 34.1990, 29.3187



29.7871, 34.1990, 32.2252



29.2781, 34.1990, 36.6945

Triad

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



29.7871, 34.1990, 32.2252



32.3152, 34.1990, 47.6454



35.5854, 34.1990, 33.0902

Complementary

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



29.7871, 34.1990, 32.2252



31.5118, 30.3071, 37.9089

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.



35.9610, 34.1990, 37.7846



29.7871, 34.1990, 32.2252



34.0337, 34.1990, 46.4660

Square

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



29.7871, 34.1990, 32.2252



30.7045, 34.1990, 45.8371



35.3837, 34.1990, 42.7430



34.3748, 34.1990, 29.7859

Rectangle

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



29.7871, 34.1990, 32.2252



29.4054, 34.1990, 40.0652



35.3837, 34.1990, 42.7430



35.8154, 34.1990, 34.5449

Sweetspot

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



29.7880, 34.2005, 32.2260



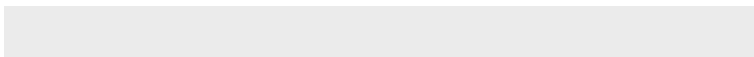
59.8527, 64.3888, 67.6464



32.8508, 35.7972, 31.5641



13.3022, 14.3936, 14.9795



78.6606, 82.7571, 90.1225



14.0027, 14.7319, 16.0430

Same Dimension

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



29.7880, 34.2005, 32.2260



51.5235, 60.3682, 54.9118



30.5499, 34.5052, 36.2380



7.0145, 7.9066, 7.6879



10.2673, 20.3933, 3.8583



0.2242, 0.4319, 0.1255

Inverse Universe

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



31.5118, 30.3071, 37.9089



55.2331, 51.9890, 67.1416



30.7134, 29.9878, 33.7046



7.3321, 7.1893, 8.7350



15.7716, 7.6647, 21.7854



0.3400, 0.1645, 0.5029

Previews

White Background



This preview shows how the XYZ color 29.7871, 34.1990, 32.2252 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 29.7871, 34.1990, 32.2252 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

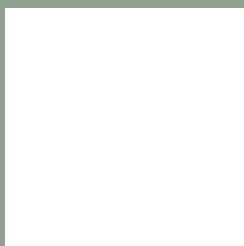
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.7871, 34.1990, 32.2252

Background



This preview shows how black text looks on a background with the XYZ color 29.7871, 34.1990, 32.2252.



This preview shows how white text looks on a background with the XYZ color 29.7871, 34.1990,

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

29.7871, 34.1990, 32.2252

Protanopia

32.3247, 33.9896, 30.8436

Deuteranopia

34.7050, 33.9417, 32.7392



Tritanopia

32.0573, 34.0707, 43.9164

Trichromacy



Original Color

29.7871, 34.1990, 32.2252

Protanomaly

31.3368, 33.9780, 31.2923

Deuteranomaly

32.6720, 33.8829, 32.4218

Tritanomaly

31.2143, 33.9890, 39.5657

Monochromacy



Original Color

29.7871, 34.1990, 32.2252

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.6569, 33.3000, 34.5175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.7871, 34.1990, 32.2252 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(144, 163, 146) looks like.

```
.text, #text, p{  
    color:rgb(144, 163, 146)  
}
```

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(144, 163, 146) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 163, 146) }
```

Border

The CSS property to change the border of an element to XYZ 29.7871, 34.1990, 32.2252 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(144, 163, 146) }
```


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

```
.border{ border-color:rgb(144, 163, 146) }
```

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

Here you see how a box with a 4 pixel `rgb(144, 163, 146)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 163, 146); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 163, 146);  
box-shadow:4px 4px 4px 4px rgb(144, 163,  
146) }
```

Background

The CSS property to change the background color of an element to XYZ 29.7871, 34.1990, 32.2252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 163, 146) }
```

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

```
.background{ background-color: rgb(144,  
163, 146) }
```

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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