

Converting Colors

XYZ(29.8904, 33.1457, 32.5194)

Have a look what the booklet for
XYZ(29.8904, 33.1457, 32.5194)
contains.

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Color

**XYZ(29.8773, 33.1988,
32.4371)**

Conversions

Conversions Part 1

Format	Color
Hex	949F93
RGB	148, 159, 147
RGB Percent	58%, 62%, 58%
CMY	0.4196, 0.3765, 0.4235
CMYK	0.07, 0.00, 0.08, 0.38
HSL	115°, 6%, 60%
HSV	115°, 8%, 62%
XYZ	29.8773, 33.1988, 32.4371
YIQ	154.3430, -2.7040, -6.0640

Conversions

Conversions Part 2

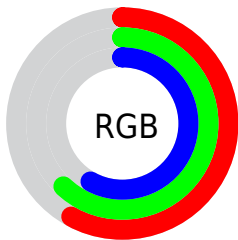
Format	Color
RYB	147, 159, 158
Decimal	9740179
CIELab	64.32, -6.25, 4.91
CIElCh	64, 7.945, 141.824
Yxy	33.1988, 0.3128, 0.3476
Android (android.graphics.Color)	4287930259 (0xFF949F93)
YUV	154.3430, -3.6201, -5.5628
Hunter-Lab	57.6184, -8.2733, 6.9547

Details

The XYZ color **29.8773, 33.1988, 32.4371** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7938, 30.6408, 37.0940**, and the grayscale version is **30.8829, 32.4912, 35.3829**.

A 20% lighter version of the original color is **58.9463, 64.8667, 64.6721**, and **12.4036, 14.1110, 13.1363** is the 20% darker color. If you saturate the color by 10%, you get **26.2423, 31.4602, 26.1979**, and if you desaturate by 10%, it is **34.0187, 35.1804, 39.6017**.

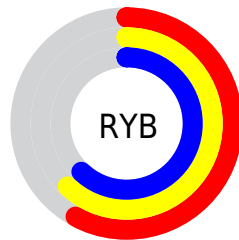
Distribution



Red (58%)

Green (62%)

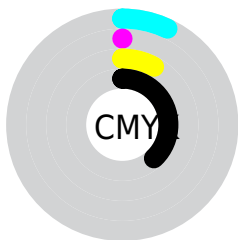
Blue (58%)



Red (58%)

Yellow (62%)

Blue (62%)

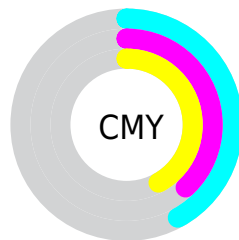


Cyan (7%)

Magenta (0%)

Yellow (8%)

Black (38%)



Cyan (42%)

Magenta (38%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.8773, 33.1988, 32.4371 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 29.8773, 33.1988, 32.4371 by changing the saturation by 10% instead.

■ 29.8773, 33.1988,
32.4371

■ 29.8773, 33.1988,
32.4371

293.2522,
316.5446, 327.6595

■ 19.8931, 22.2788,
21.4280

■ 58.8560, 64.6858,
64.6015

■ 12.4252, 14.0619,
13.2429

■ 78.5813, 86.0215,
86.5940

■ 7.1082, 8.1637,
7.4634

102.2842,
111.5980, 113.0846

■ 3.5768, 4.1999,
3.6707

130.3303,
141.7995, 144.4919

■ 1.4656, 1.7860,
1.4465

163.0847,
177.0106, 181.2346

■ 0.3023, 0.4784,
0.1776

200.9130,

■ 0.0000, 0.0000,

217.6155, 223.7310

0.0000

244.1803,
263.9987, 272.3998

■ 29.8773, 33.1988,
32.4371

■ 29.8773, 33.1988,
32.4371

■ 26.2423, 31.4602,
26.1979

■ 34.0187, 35.1804,
39.6017

■ 23.0917, 29.9512,
20.8443

■ 38.6820, 37.4095,
47.7250

■ 20.4057, 28.6635,
16.3369

■ 43.8856, 39.8957,
56.8412

■ 18.1623, 27.5867,
12.6323

■ 49.6460, 42.6468,
66.9823

■ 16.3378, 26.7095,
9.6834

■ 55.9790, 45.6703,
78.1790

■ 14.9059, 26.0196,
7.4383

■ 62.8999, 48.9734,
90.4603

■ 13.8377, 25.5032,
5.8383

■ 69.8866, 52.3486,
101.0286

■ 13.1001, 25.1448,
4.8154

■ 71.6888, 53.2777,
101.1129

■ 12.6480, 24.9236,
4.2561

Harmonies

Analogous

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



30.7537, 33.1988, 30.6742



29.8773, 33.1988, 32.4371



29.4526, 33.1988, 35.2702

Triad

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



29.8773, 33.1988, 32.4371



31.2465, 33.1988, 42.6627



33.6145, 33.1988, 33.8839

Complementary

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



29.8773, 33.1988, 32.4371



30.7938, 30.6408, 37.0940

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.



33.7540, 33.1988, 37.0399



29.8773, 33.1988, 32.4371



32.3690, 33.1988, 42.2367

Square

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



29.8773, 33.1988, 32.4371



30.2307, 33.1988, 41.2627



33.2932, 33.1988, 40.1313



32.9163, 33.1988, 31.4741

Rectangle

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



29.8773, 33.1988, 32.4371



29.4755, 33.1988, 37.4378



33.2932, 33.1988, 40.1313



33.7289, 33.1988, 34.8879

Sweetspot

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



29.8782, 33.2002, 32.4378



57.4784, 61.3553, 64.9509



31.7929, 33.9330, 32.4783



12.9785, 13.8421, 14.6778



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



29.8782, 33.2002, 32.4378



52.3893, 58.9209, 56.1663



30.0994, 33.2679, 34.5417



6.5994, 7.4261, 7.0712



9.9425, 19.6623, 3.2712



0.1910, 0.3584, 0.0591

Inverse Universe

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



30.7938, 30.6408, 37.0940



54.3598, 53.4121, 66.1879



30.5658, 30.5724, 34.8632



6.8497, 6.7265, 8.3440



14.2892, 6.7954, 26.4657



0.2699, 0.1289, 0.4739

Previews

White Background



This preview shows how the XYZ color 29.8773, 33.1988, 32.4371 looks on a white background.

Color Contrast Check

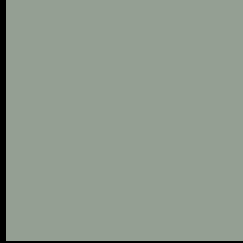
Large Text (above 18pt) WCAG AA × Fail

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 29.8773, 33.1988, 32.4371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

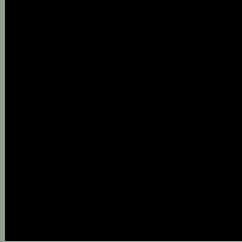
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 29.8773, 33.1988, 32.4371

Background



This preview shows how black text looks on a background with the XYZ color 29.8773, 33.1988, 32.4371.



This preview shows how white text looks on a background with the XYZ color 29.8773, 33.1988,

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

29.8773, 33.1988, 32.4371

Protanopia

31.5301, 33.0641, 31.5083

Deuteranopia

33.5647, 32.8669, 33.0087



Tritanopia

31.7188, 33.1834, 41.7791

Trichromacy



Original Color

29.8773, 33.1988, 32.4371

Protanomaly

30.7871, 32.9202, 31.9257

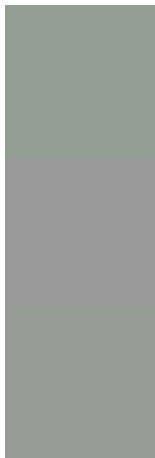
Deuteranomaly

32.0464, 32.8131, 32.6615

Tritanomaly

30.9798, 33.1360, 38.0208

Monochromacy



Original Color

29.8773, 33.1988, 32.4371

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

30.4233, 32.6867, 33.9838

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.8773, 33.1988, 32.4371 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(148, 159, 147)` looks like.

```
.text, #text, p{  
    color:rgb(148, 159, 147)  
}
```

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(148, 159, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 159, 147) }
```

Border

The CSS property to change the border of an element to XYZ 29.8773, 33.1988, 32.4371 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(148, 159, 147) }
```


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

```
.border{ border-color:rgb(148, 159, 147) }
```

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

Here you see how a box with a 4 pixel rgb(148, 159, 147) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 159, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 159, 147);  
box-shadow:4px 4px 4px 4px rgb(148, 159,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 29.8773, 33.1988, 32.4371 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 159, 147) }
```

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

```
.background{ background-color: rgb(148,  
159, 147) }
```

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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