

Converting Colors

XYZ(29.2319, 31.7416, 30.7838)

Have a look what the booklet for
XYZ(29.2319, 31.7416, 30.7838)
contains.

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Color

**XYZ(29.1673, 31.6088,
30.9494)**

Conversions

Conversions Part 1

Format	Color
Hex	969A90
RGB	150, 154, 144
RGB Percent	59%, 60%, 56%
CMY	0.4118, 0.3961, 0.4353
CMYK	0.03, 0.00, 0.06, 0.40
HSL	84°, 5%, 58%
HSV	84°, 6%, 60%
XYZ	29.1673, 31.6088, 30.9494
YIQ	151.6640, 0.8260, -3.9580

Conversions

Conversions Part 2

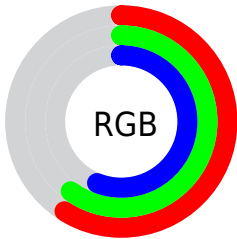
Format	Color
RYB	144, 154, 148
Decimal	9869968
CIELab	63.02, -3.34, 4.74
CIElCh	63, 5.798, 125.205
Yxy	31.6088, 0.3180, 0.3446
Android (android.graphics.Color)	4288060048 (0xFF969A90)
YUV	151.6640, -3.7784, -1.4593
Hunter-Lab	56.2217, -5.7838, 6.7167

Details

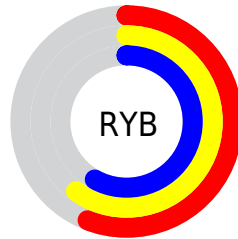
The XYZ color **29.1673, 31.6088, 30.9494** is a light color, and the websafe version is hex **999999**. A complement of this color would be **28.0199, 28.5764, 34.6124**, and the grayscale version is **29.7165, 31.2640, 34.0465**.

A 20% lighter version of the original color is **57.6508, 62.0263, 62.3598**, and **12.0162, 13.1613, 12.4967** is the 20% darker color. If you saturate the color by 10%, you get **26.9655, 30.6015, 25.1155**, and if you desaturate by 10%, it is **31.5911, 32.7138, 37.6333**.

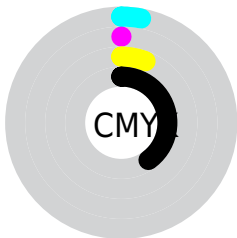
Distribution



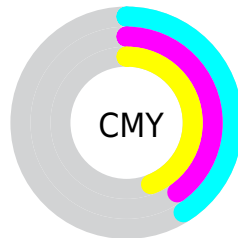
- Red (59%)
- Green (60%)
- Blue (56%)



- Red (56%)
- Yellow (60%)
- Blue (58%)



- Cyan (3%)
- Magenta (0%)
- Yellow (6%)
- Black (40%)



- Cyan (41%)
- Magenta (40%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 29.1673, 31.6088, 30.9494 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 29.1673, 31.6088, 30.9494 by changing the saturation by 10% instead.

■ 29.1673, 31.6088,
30.9494

■ 29.1673, 31.6088,
30.9494

289.9835,
309.3333, 320.6491

■ 19.3523, 21.0629,
20.3022

■ 57.7385, 62.1973,
62.2390

■ 12.0307, 13.1700,
12.4286

■ 77.2255, 83.0087,
83.7185

■ 6.8369, 7.5457,
6.9102

100.6671,
108.0106, 109.6459

■ 3.4057, 3.8057,
3.3284

128.4288,
137.5876, 140.4396

■ 1.3718, 1.5654,
1.2647

160.8760,
172.1240, 176.5182

■ 0.2360, 0.3341,
0.0326

198.3739,

■ 0.0000, 0.0000,

212.0041, 218.3004

0.0000

241.2880,
257.6124, 266.2045

■ 29.1673, 31.6088,
30.9494

■ 29.1673, 31.6088,
30.9494

■ 26.9655, 30.6015,
25.1155

■ 31.5911, 32.7138,
37.6333

■ 24.9757, 29.6848,
20.0954

■ 34.2413, 33.9154,
45.1971

■ 23.1910, 28.8568,
15.8535

■ 37.1254, 35.2176,
53.6722

■ 21.6030, 28.1140,
12.3506

■ 40.2498, 36.6231,
63.0873

■ 20.2027, 27.4528,
9.5442

■ 43.6205, 38.1344,
73.4704

■ 18.9802, 26.8690,
7.3875

■ 47.2433, 39.7540,
84.8478

■ 17.9244, 26.3582,
5.8279

■ 51.1240, 41.4842,
97.2452

■ 17.0228, 25.9151,
4.8046

■ 53.2400, 42.5161,
100.0081

■ 16.2570, 25.5323,
4.2264

■ 54.9119, 43.3780,
100.0864

Harmonies

Analogous

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



29.9042, 31.6088, 30.2232



29.1673, 31.6088, 30.9494



28.6717, 31.6088, 32.6064

Triad

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



29.1673, 31.6088, 30.9494



29.4043, 31.6088, 38.5620



31.5973, 31.6088, 34.0195

Complementary

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



29.1673, 31.6088, 30.9494



28.0199, 28.5764, 34.6124

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.



31.4578, 31.6088, 36.2926



29.1673, 31.6088, 30.9494



30.1826, 31.6088, 38.9810

Square

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



29.1673, 31.6088, 30.9494



28.8068, 31.6088, 37.0126



30.9365, 31.6088, 38.1336



31.3145, 31.6088, 31.9449

Rectangle

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



29.1673, 31.6088, 30.9494



28.5400, 31.6088, 34.0506



30.9365, 31.6088, 38.1336



31.5983, 31.6088, 34.7853

Sweetspot

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



29.1682, 31.6102, 30.9501



54.8942, 58.2910, 61.4346



28.9515, 30.0645, 30.6632



12.4371, 13.1994, 13.9387



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



29.1682, 31.6102, 30.9501



52.2899, 57.1025, 54.3499



28.2676, 31.1459, 30.9079



6.4696, 7.0995, 6.6352



13.0821, 20.7199, 3.3099



0.2365, 0.3308, 0.0514

Inverse Universe

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



28.0199, 28.5764, 34.6124



49.6979, 50.2543, 62.6170



28.9440, 29.0527, 34.6557



6.1068, 6.1409, 7.7924



6.3899, 2.7452, 25.1008



0.1349, 0.0613, 0.3771

Previews

White Background



This preview shows how the XYZ color 29.1673, 31.6088, 30.9494 looks on a white background.

Color Contrast Check

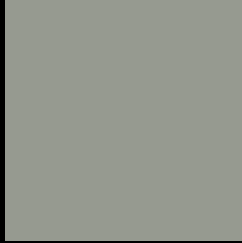
Large Text (above 18pt) WCAG AA × Fail

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 29.1673, 31.6088, 30.9494 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

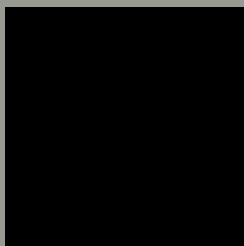
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

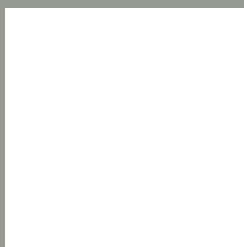
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 29.1673, 31.6088, 30.9494

Background



This preview shows how black text looks on a background with the XYZ color 29.1673, 31.6088, 30.9494.



This preview shows how white text looks on a background with the XYZ color 29.1673, 31.6088,

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

29.1673, 31.6088, 30.9494

Protanopia

30.0908, 31.6077, 30.5015

Deuteranopia

32.1221, 31.4578, 31.1670



Tritanopia

30.8143, 31.5499, 39.1160

Trichromacy



Original Color

29.1673, 31.6088, 30.9494

Protanomaly

29.6756, 31.6357, 30.5288

Deuteranomaly

31.1214, 31.6436, 31.2556

Tritanomaly

30.1779, 31.5322, 35.9483

Monochromacy



Original Color

29.1673, 31.6088, 30.9494

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

29.5785, 31.5317, 32.9610

CSS Examples

Text

The CSS property to change the color of the text to XYZ 29.1673, 31.6088, 30.9494 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(150, 154, 144)` looks like.

```
.text, #text, p{  
    color:rgb(150, 154, 144)  
}
```

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(150, 154, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(150, 154, 144) }
```

Border

The CSS property to change the border of an element to XYZ 29.1673, 31.6088, 30.9494 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(150, 154, 144) }
```


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

```
.border{ border-color:rgb(150, 154, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(150, 154, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(150, 154, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(150, 154, 144);  
box-shadow:4px 4px 4px 4px rgb(150, 154,  
144) }
```

Background

The CSS property to change the background color of an element to XYZ 29.1673, 31.6088, 30.9494 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(150, 154, 144) }
```

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

```
.background{ background-color: rgb(150,  
154, 144) }
```

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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