

Converting Colors

XYZ(30.3101, 33.2788, 32.6553)

Have a look what the booklet for
XYZ(30.3101, 33.2788, 32.6553)
contains.

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Color

**XYZ(30.3347, 33.1711,
32.8208)**

Conversions

Conversions Part 1

Format	Color
Hex	979E94
RGB	151, 158, 148
RGB Percent	59%, 62%, 58%
CMY	0.4078, 0.3804, 0.4196
CMYK	0.04, 0.00, 0.06, 0.38
HSL	102°, 5%, 60%
HSV	102°, 6%, 62%
XYZ	30.3347, 33.1711, 32.8208
YIQ	154.7670, -0.9620, -4.5940

Conversions

Conversions Part 2

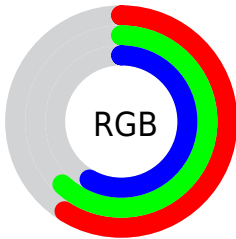
Format	Color
RYB	148, 158, 155
Decimal	9936532
CIELab	64.30, -4.42, 4.35
CIELCh	64, 6.202, 135.495
Yxy	33.1711, 0.3149, 0.3444
Android (android.graphics.Color)	4288126612 (0xFF979E94)
YUV	154.7670, -3.3361, -3.3037
Hunter-Lab	57.5944, -6.7749, 6.5290

Details

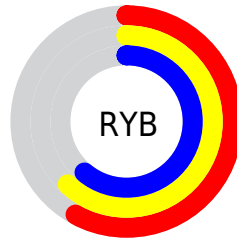
The XYZ color **30.3347, 33.1711, 32.8208** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.2801, 30.6178, 36.6632**, and the grayscale version is **31.0681, 32.6860, 35.5951**.

A 20% lighter version of the original color is **59.6318, 64.8319, 65.2480**, and **12.6709, 14.0878, 13.3606** is the 20% darker color. If you saturate the color by 10%, you get **27.2113, 31.6967, 26.5858**, and if you desaturate by 10%, it is **33.8233, 34.8160, 39.9655**.

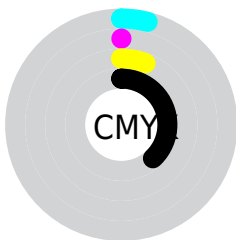
Distribution



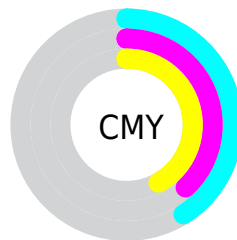
- Red (59%)
- Green (62%)
- Blue (58%)



- Red (58%)
- Yellow (62%)
- Blue (61%)



- Cyan (4%)
- Magenta (0%)
- Yellow (6%)
- Black (38%)



- Cyan (41%)
- Magenta (38%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.3347, 33.1711, 32.8208 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 30.3347, 33.1711, 32.8208 by changing the saturation by 10% instead.

■ 30.3347, 33.1711,
32.8208

■ 30.3347, 33.1711,
32.8208

295.3434,
316.4200, 329.4487

■ 20.2421, 22.2576,
21.7192

■ 59.5741, 64.6426,
65.2084

■ 12.6804, 14.0463,
13.4544

■ 79.4516, 85.9693,
87.3316

■ 7.2843, 8.1529,
7.6078

103.3214,
111.5358, 113.9656

■ 3.6885, 4.1929,
3.7609

131.5490,
141.7266, 145.5291

■ 1.5274, 1.7821,
1.4951

164.4996,
176.9260, 182.4407

■ 0.3444, 0.4759,
0.2143

202.5386,

■ 0.0000, 0.0000,

217.5185, 225.1187

0.0000

246.0314,
263.8883, 273.9819

■ 30.3347, 33.1711,
32.8208

■ 30.3347, 33.1711,
32.8208

■ 27.2113, 31.6967,
26.5858

■ 33.8233, 34.8160,
39.9655

■ 24.4382, 30.3829,
21.2218

■ 37.6860, 36.6323,
48.0521

■ 22.0035, 29.2256,
16.6908

■ 41.9346, 38.6263,
57.1139

■ 19.8936, 28.2185,
12.9509

■ 46.5797, 40.8030,
67.1820

■ 18.0937, 27.3550,
9.9565

■ 51.6315, 43.1667,
78.2859

■ 16.5881, 26.6281,
7.6577

■ 57.0997, 45.7220,
90.4541

■ 15.3592, 26.0301,
5.9981

■ 62.4081, 48.2389,
100.6295

■ 14.3875, 25.5522,
4.9127

■ 66.0391, 50.1107,
100.7994

■ 13.6475, 25.1833,
4.3081

■ 69.8988, 52.1005,
100.9801

Harmonies

Analogous

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



31.0775, 33.1711, 31.6390



30.3347, 33.1711, 32.8208



29.9155, 33.1711, 34.9155

Triad

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



30.3347, 33.1711, 32.8208



31.1055, 33.1711, 41.0239



33.1898, 33.1711, 34.8363

Complementary

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



30.3347, 33.1711, 32.8208



30.2801, 30.6178, 36.6632

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.



33.1977, 33.1711, 37.3472



30.3347, 33.1711, 32.8208



31.9831, 33.1711, 41.0003

Square

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



30.3347, 33.1711, 32.8208



30.3549, 33.1711, 39.6914



32.7525, 33.1711, 39.6283



32.7312, 33.1711, 32.7652

Rectangle

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



30.3347, 33.1711, 32.8208



29.8709, 33.1711, 36.5845



32.7525, 33.1711, 39.6283



33.2456, 33.1711, 35.6548

Sweetspot

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



30.3356, 33.1725, 32.8215



57.7226, 61.4812, 64.9623



31.1684, 32.8512, 32.7156



13.0304, 13.8688, 14.6802



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.



30.3356, 33.1725, 32.8215



54.0022, 59.7265, 57.4122



29.9456, 32.9530, 33.6371



6.7285, 7.4927, 7.0773



10.7818, 20.0950, 3.3105



0.2325, 0.3798, 0.0611

Inverse Universe

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



30.2801, 30.6178, 36.6632



53.8739, 53.8211, 66.2925



30.6923, 30.8500, 35.7908



6.7103, 6.6546, 8.3375



10.1945, 4.6844, 26.2741



0.2226, 0.1045, 0.4717

Previews

White Background



This preview shows how the XYZ color 30.3347, 33.1711, 32.8208 looks on a white background.

Color Contrast Check

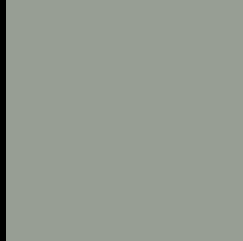
Large Text (above 18pt) WCAG AA × Fail

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 30.3347, 33.1711, 32.8208 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

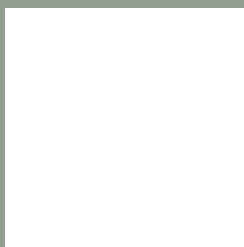
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.3347, 33.1711, 32.8208

Background



This preview shows how black text looks on a background with the XYZ color 30.3347, 33.1711, 32.8208.



This preview shows how white text looks on a background with the XYZ color 30.3347, 33.1711,

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

30.3347, 33.1711, 32.8208

Protanopia

31.6076, 33.0951, 31.9162

Deuteranopia

33.8052, 33.2195, 33.4844



Tritanopia

32.0228, 33.1027, 41.2609

Trichromacy



Original Color

30.3347, 33.1711, 32.8208

Protanomaly

31.0596, 33.0516, 32.3463

Deuteranomaly

32.4975, 33.2805, 33.1447

Tritanomaly

31.3705, 33.0873, 37.9908

Monochromacy



Original Color

30.3347, 33.1711, 32.8208

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

30.8824, 32.9140, 34.4311

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.3347, 33.1711, 32.8208 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(151, 158, 148)` looks like.

```
.text, #text, p{  
    color:rgb(151, 158, 148)  
}
```

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(151, 158, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 158, 148) }
```

Border

The CSS property to change the border of an element to XYZ 30.3347, 33.1711, 32.8208 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(151, 158, 148) }
```


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

```
.border{ border-color:rgb(151, 158, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 158, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 158, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 158, 148);  
box-shadow:4px 4px 4px 4px rgb(151, 158,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 30.3347, 33.1711, 32.8208 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 158, 148) }
```

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

```
.background{ background-color: rgb(151,  
158, 148) }
```

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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