

Converting Colors

XYZ(30.7980, 32.0043, 33.8753)

Have a look what the booklet for
XYZ(30.7980, 32.0043, 33.8753)
contains.

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Color

**XYZ(30.7188, 31.8589,
33.8085)**

Conversions

Conversions Part 1

Format	Color
Hex	9D9897
RGB	157, 152, 151
RGB Percent	62%, 60%, 59%
CMY	0.3843, 0.4039, 0.4078
CMYK	0.00, 0.03, 0.04, 0.38
HSL	10°, 3%, 60%
HSV	10°, 4%, 62%
XYZ	30.7188, 31.8589, 33.8085
YIQ	153.3810, 3.3010, 0.7490

Conversions

Conversions Part 2

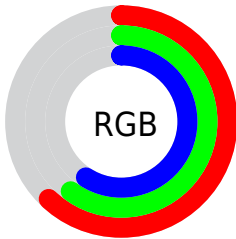
Format	Color
RYB	157, 152, 151
Decimal	10328215
CIELab	63.23, 1.64, 1.17
CIElCh	63, 2.010, 35.432
Yxy	31.8589, 0.3187, 0.3305
Android (android.graphics.Color)	4288518295 (0xFF9D9897)
YUV	153.3810, -1.1738, 3.1739
Hunter-Lab	56.4437, -1.6300, 3.9972

Details

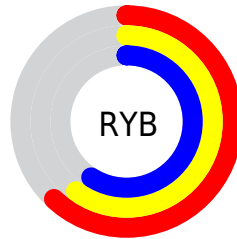
The XYZ color **30.7188, 31.8589, 33.8085** is a light color, and the websafe version is hex **999999**. A complement of this color would be **30.7369, 32.7903, 36.6080**, and the grayscale version is **30.4490, 32.0347, 34.8858**.

A 20% lighter version of the original color is **60.2421, 62.5474, 66.6554**, and **12.8978, 13.2916, 13.9423** is the 20% darker color. If you saturate the color by 10%, you get **27.5213, 27.3700, 26.8654**, and if you desaturate by 10%, it is **34.3220, 36.8865, 41.7254**.

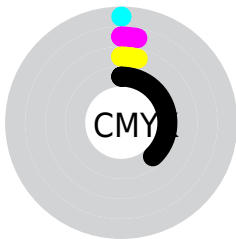
Distribution



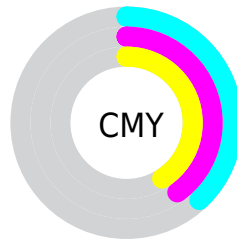
- Red (62%)
- Green (60%)
- Blue (59%)



- Red (62%)
- Yellow (60%)
- Blue (59%)



- Cyan (0%)
- Magenta (3%)
- Yellow (4%)
- Black (38%)



- Cyan (38%)
- Magenta (40%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 30.7188, 31.8589, 33.8085 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 30.7188, 31.8589, 33.8085 by changing the saturation by 10% instead.

■ 30.7188, 31.8589,
33.8085

■ 30.7188, 31.8589,
33.8085

297.0908,
310.4760, 334.0204

■ 20.5356, 21.2537,
22.4704

■ 60.1759, 62.5898,
66.7662

■ 12.8955, 13.3096,
14.0013

■ 80.1806, 83.4844,
89.2229

■ 7.4331, 7.6421,
7.9828

104.1897,
108.5775, 116.2229

■ 3.7831, 3.8668,
3.9963

132.5688,
138.2537, 148.1846

■ 1.5802, 1.5993,
1.6233

165.6830,
172.8972, 185.5267

■ 0.3794, 0.3571,
0.3074

203.8979,

■ 0.0000, 0.0000,

212.8925, 228.6676

0.0000

247.5787,
258.6240, 278.0260

■ 30.7188, 31.8589,
33.8085

■ 30.7188, 31.8589,
33.8085

■ 27.5213, 27.3700,
26.8654

■ 34.3220, 36.8865,
41.7254

■ 24.7125, 23.3980,
20.8563

■ 38.3416, 42.4657,
50.6496

■ 22.2784, 19.9254,
15.7421

■ 42.7915, 48.6140,
60.6156

■ 20.2027, 16.9323,
11.4796

■ 47.6840, 55.3469,
71.6554

■ 18.4684, 14.3976,
8.0225

■ 53.0309, 62.6794,
83.7999

■ 17.0568, 12.2983,
5.3197

■ 58.8435, 70.6258,
97.0786

■ 15.9472, 10.6097,
3.3144

■ 64.1678, 78.8141,
106.4384

■ 15.1168, 9.3044,
1.9417

■ 67.7149, 85.9082,
107.6207

■ 14.5390, 8.3514,
1.1242

Harmonies

Analogous

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



30.8165, 31.8589, 34.5441



30.7188, 31.8589, 33.8085



30.5038, 31.8589, 33.3145

Triad

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



30.7188, 31.8589, 33.8085



29.7971, 31.8589, 34.0560



30.3316, 31.8589, 36.2362

Complementary

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



30.7188, 31.8589, 33.8085



30.7369, 32.7903, 36.6080

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.



30.0591, 31.8589, 36.1007



30.7188, 31.8589, 33.8085



29.7516, 31.8589, 34.8341

Square

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



30.7188, 31.8589, 33.8085



29.9719, 31.8589, 33.4558



29.8472, 31.8589, 35.5845



30.5920, 31.8589, 35.9520

Rectangle

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



30.7188, 31.8589, 33.8085



30.3235, 31.8589, 33.1844



29.8472, 31.8589, 35.5845



30.2384, 31.8589, 36.2383

Sweetspot

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



30.7197, 31.8603, 33.8092



56.7490, 59.4821, 64.3425



30.9725, 31.7021, 35.9397



12.4958, 13.1006, 14.1768



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.



30.7197, 31.8603, 33.8092



54.2453, 55.9800, 58.8674



31.2124, 32.8457, 33.9734



6.9978, 7.2086, 7.5555



11.6168, 6.4693, 0.6364



0.2297, 0.1596, 0.0187

Inverse Universe

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



30.7369, 32.7903, 36.6080



54.2859, 58.1825, 65.4959



30.2400, 31.7966, 36.4424



7.0036, 7.5187, 8.4888



11.5325, 15.1566, 28.2249



0.2290, 0.3167, 0.5123

Previews

White Background



This preview shows how the XYZ color 30.7188, 31.8589, 33.8085 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 30.7188, 31.8589, 33.8085 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

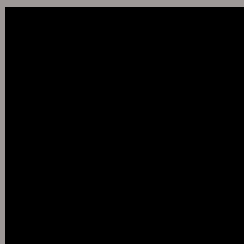
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

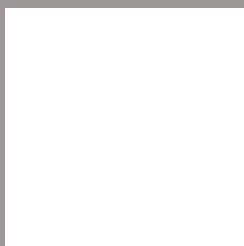
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 30.7188, 31.8589, 33.8085

Background



This preview shows how black text looks on a background with the XYZ color 30.7188, 31.8589, 33.8085.

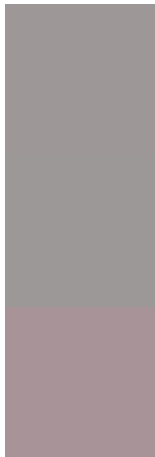


This preview shows how white text looks on a background with the XYZ color 30.7188, 31.8589,

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

30.7188, 31.8589, 33.8085

Protanopia

30.5245, 31.7588, 33.7994

Deuteranopia

32.4058, 31.7716, 34.1303



Tritanopia

31.7260, 31.7923, 38.6468

Trichromacy



Original Color

30.7188, 31.8589, 33.8085

Protanomaly

30.5245, 31.7588, 33.7994

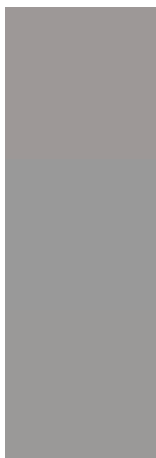
Deuteranomaly

31.7248, 31.6544, 34.1436

Tritanomaly

31.3387, 31.8709, 36.8477

Monochromacy



Original Color

30.7188, 31.8589, 33.8085

Achromatopsia

30.2779, 31.8547, 34.6897

Achromatomaly

30.3852, 31.9195, 34.2654

CSS Examples

Text

The CSS property to change the color of the text to XYZ 30.7188, 31.8589, 33.8085 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(157, 152, 151)` looks like.

```
.text, #text, p{  
    color:rgb(157, 152, 151)  
}
```

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(157, 152, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 152, 151) }
```

Border

The CSS property to change the border of an element to XYZ 30.7188, 31.8589, 33.8085 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(157, 152, 151) }
```


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

```
.border{ border-color:rgb(157, 152, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 152, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 152, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 152, 151);  
box-shadow:4px 4px 4px 4px rgb(157, 152,  
151) }
```

Background

The CSS property to change the background color of an element to XYZ 30.7188, 31.8589, 33.8085 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 152, 151) }
```

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

```
.background{ background-color: rgb(157,  
152, 151) }
```

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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