

Converting Colors

XYZ(33.3474, 32.8502, 48.9947)

Have a look what the booklet for
XYZ(33.3474, 32.8502, 48.9947)
contains.

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Color

**XYZ(33.3820, 32.9018,
48.8472)**

Conversions

Conversions Part 1

Format	Color
Hex	9C98B6
RGB	156, 152, 182
RGB Percent	61%, 60%, 71%
CMY	0.3882, 0.4039, 0.2863
CMYK	0.14, 0.16, 0.00, 0.29
HSL	248°, 17%, 65%
HSV	248°, 16%, 71%
XYZ	33.3820, 32.9018, 48.8472
YIQ	156.6160, -7.2460, 10.1780

Conversions

Conversions Part 2

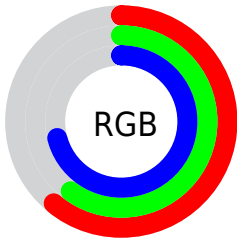
Format	Color
R_{YB}	156, 152, 182
Decimal	10262710
CIE _{Lab}	64.08, 7.59, -15.03
CIE _{LCh}	64, 16.843, 296.800
Yxy	32.9018, 0.2899, 0.2858
Android (android.graphics.Color)	4288452790 (0xFF9C98B6)
YUV	156.6160, 12.5143, -0.5402
Hunter-Lab	57.3601, 3.5019, -10.3386

Details

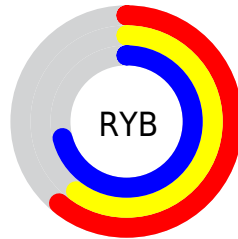
The XYZ color **33.3820, 32.9018, 48.8472** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **40.7567, 45.1887, 36.2815**, and the grayscale version is **31.8242, 33.4815, 36.4614**.

A 20% lighter version of the original color is **64.3679, 64.1645, 89.8814**, and **14.4418, 13.8956, 22.6898** is the 20% darker color. If you saturate the color by 10%, you get **27.7951, 25.9686, 47.8039**, and if you desaturate by 10%, it is **39.8207, 40.9487, 50.0616**.

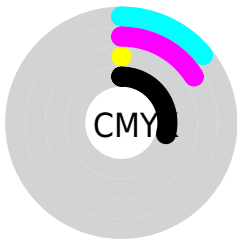
Distribution



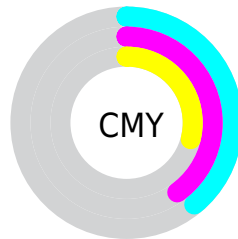
- Red (61%)
- Green (60%)
- Blue (71%)



- Red (61%)
- Yellow (60%)
- Blue (71%)



- Cyan (14%)
- Magenta (16%)
- Yellow (0%)
- Black (29%)



- Cyan (39%)
- Magenta (40%)
- Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.3820, 32.9018, 48.8472 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 33.3820, 32.9018, 48.8472 by changing the saturation by 10% instead.

■ 33.3820, 32.9018,
48.8472

■ 33.3820, 32.9018,
48.8472

309.0022,
315.2070, 398.7456

■ 22.5799, 22.0512,
34.1335

■ 64.3222, 64.2222,
89.8431

■ 14.4026, 13.8945,
22.7180

■ 85.1909, 85.4608,
116.9624

■ 8.4848, 8.0474,
14.1821

110.1459,
110.9309, 149.0541

■ 4.4611, 4.1253,
8.1072

139.5525,
141.0168, 186.5365

■ 1.9661, 1.7439,
4.0749

173.7761,
176.1030, 229.8284

■ 0.6148, 0.4518,
1.6665

213.1820,

■ 0.0000, 0.0000,

216.5738, 279.3482

0.3376

258.1356,
262.8137, 335.5144

■ 0.0000, 0.0000,
0.0000

■ 33.3820, 32.9018,
48.8472

■ 33.3820, 32.9018,
48.8472

■ 27.7951, 25.9686,
47.8039

■ 39.8207, 40.9487,
50.0616

■ 23.0211, 20.0959,
46.9220

■ 47.1417, 50.1510,
51.4519

■ 19.0228, 15.2324,
46.1940

■ 55.3778, 60.5536,
53.0258

■ 15.7587, 11.3209,
45.6110

■ 64.5592, 72.1975,
54.7893

■ 13.1835, 8.2984,
45.1634

■ 74.7148, 85.1218,
56.7487

■ 11.2467, 6.0943,
44.8400

■ 83.8608, 95.3415,
58.2393

■ 9.8907, 4.6270,
44.6283

■ 85.4436, 96.1574,
58.3133

■ 9.0428, 3.7895,
44.5113

■ 8.8264, 3.5748,
44.4813

Harmonies

Analogous

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



31.0174, 32.9018, 50.5737



33.3820, 32.9018, 48.8472



35.2613, 32.9018, 43.4934

Triad

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



33.3820, 32.9018, 48.8472



33.8464, 32.9018, 25.9357



26.9205, 32.9018, 35.0977

Complementary

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



33.3820, 32.9018, 48.8472



40.7567, 45.1887, 36.2815

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.



27.5959, 32.9018, 29.1145



33.3820, 32.9018, 48.8472



31.5284, 32.9018, 24.2639

Square

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



33.3820, 32.9018, 48.8472



35.5388, 32.9018, 30.2323



29.2532, 32.9018, 25.3501



27.3615, 32.9018, 42.0669

Rectangle

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



33.3820, 32.9018, 48.8472



35.9442, 32.9018, 38.9023



29.2532, 32.9018, 25.3501



27.0237, 32.9018, 32.9134

Sweetspot

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



33.3830, 32.9032, 48.8479



73.9508, 76.4421, 91.0929



37.4135, 42.0938, 50.4095



16.1380, 16.6385, 20.0826



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

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



33.3830, 32.9032, 48.8479



56.4365, 54.5702, 87.7943



36.3587, 34.4372, 48.9872



8.6295, 8.7753, 11.3184



6.2663, 2.5416, 31.4134



0.2570, 0.1082, 1.1091

Inverse Universe

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



38.5566, 35.6173, 46.9638



67.7277, 60.4959, 83.5819



37.6033, 43.5631, 36.1339



9.3280, 9.1416, 11.0749



17.9838, 8.7673, 23.5995



0.6484, 0.3148, 0.9078

Previews

White Background



This preview shows how the XYZ color 33.3820, 32.9018, 48.8472 looks on a white background.

Color Contrast Check

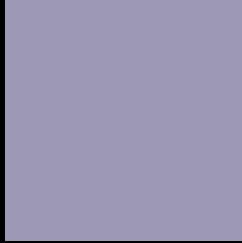
Large Text (above 18pt) WCAG AA × Fail

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 33.3820, 32.9018, 48.8472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

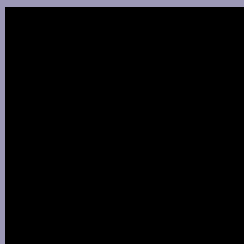
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.3820, 32.9018, 48.8472

Background



This preview shows how black text looks on a background with the XYZ color 33.3820, 32.9018, 48.8472.



This preview shows how white text looks on a background with the XYZ color 33.3820, 32.9018,

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

33.3820, 32.9018, 48.8472

Protanopia

32.4973, 32.9197, 49.4411

Deuteranopia

33.5764, 33.0020, 48.8563



Tritanopia

31.8333, 33.0050, 41.2520

Trichromacy



Original Color

33.3820, 32.9018, 48.8472

Protanomaly

32.8874, 32.8768, 49.4122

Deuteranomaly

33.5764, 33.0020, 48.8563

Tritanomaly

32.3284, 32.9598, 43.6877

Monochromacy



Original Color

33.3820, 32.9018, 48.8472

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

32.5089, 33.3640, 40.8029

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.3820, 32.9018, 48.8472 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(156, 152, 182)` looks like.

```
.text, #text, p{  
    color:rgb(156, 152, 182)  
}
```

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(156, 152, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 152, 182) }
```

Border

The CSS property to change the border of an element to XYZ 33.3820, 32.9018, 48.8472 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(156, 152, 182) }
```


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

```
.border{ border-color:rgb(156, 152, 182) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 152, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 152, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 152, 182);  
box-shadow:4px 4px 4px 4px rgb(156, 152,  
182) }
```

Background

The CSS property to change the background color of an element to XYZ 33.3820, 32.9018, 48.8472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 152, 182) }
```

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

```
.background{ background-color: rgb(156,  
152, 182) }
```

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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