

Converting Colors

XYZ(33.0079, 32.9097, 49.7404)

Have a look what the booklet for
XYZ(33.0079, 32.9097, 49.7404)
contains.

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Color

**XYZ(32.9919, 32.9186,
49.9625)**

Conversions

Conversions Part 1

Format	Color
Hex	9899B8
RGB	152, 153, 184
RGB Percent	60%, 60%, 72%
CMY	0.4039, 0.4000, 0.2784
CMYK	0.17, 0.17, 0.00, 0.28
HSL	238°, 18%, 66%
HSV	238°, 17%, 72%
XYZ	32.9919, 32.9186, 49.9625
YIQ	156.2350, -10.5470, 9.4290

Conversions

Conversions Part 2

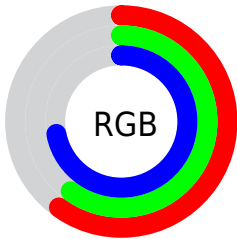
Format	Color
R_{YB}	152, 153, 184
Decimal	10000824
CIE _{Lab}	64.09, 6.16, -16.17
CIE _{LCh}	64, 17.299, 290.846
Yxy	32.9186, 0.2847, 0.2841
Android (android.graphics.Color)	4288190904 (0xFF9899B8)
YUV	156.2350, 13.6881, -3.7141
Hunter-Lab	57.3747, 2.2362, -11.4680

Details

The XYZ color **32.9919, 32.9186, 49.9625** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **42.3684, 46.3243, 36.4150**, and the grayscale version is **31.6499, 33.2981, 36.2616**.

A 20% lighter version of the original color is **63.7731, 64.1823, 91.4653**, and **14.2149, 13.9081, 23.4081** is the 20% darker color. If you saturate the color by 10%, you get **27.1090, 25.8745, 48.9134**, and if you desaturate by 10%, it is **39.8469, 41.1124, 51.1833**.

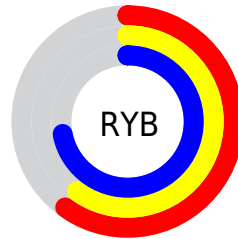
Distribution



Red (60%)

Green (60%)

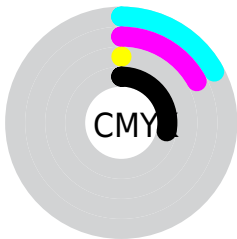
Blue (72%)



Red (60%)

Yellow (60%)

Blue (72%)

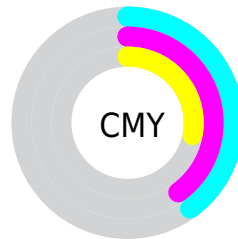


Cyan (17%)

Magenta (17%)

Yellow (0%)

Black (28%)



Cyan (40%)

Magenta (40%)

Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 32.9919, 32.9186, 49.9625 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 32.9919, 32.9186, 49.9625 by changing the saturation by 10% instead.

■ 32.9919, 32.9186,
49.9625

■ 32.9919, 32.9186,
49.9625

307.2789,
315.2828, 403.2501

■ 22.2794, 22.0641,
35.0126

■ 63.7176, 64.2484,
91.5150

■ 14.1801, 13.9040,
23.3890

■ 84.4616, 85.4925,
118.9548

■ 8.3286, 8.0539,
14.6730

109.2802,
110.9686, 151.3949

■ 4.3595, 4.1295,
8.4461

138.5387,
141.0611, 189.2540

■ 1.9075, 1.7463,
4.2899

172.6024,
176.1544, 232.9505

■ 0.5812, 0.4533,
1.7857

211.8368,

■ 0.0000, 0.0000,

216.6328, 282.9030

0.4185

256.6072,
262.8808, 339.5300

■ 0.0000, 0.0000,
0.0000

■ 32.9919, 32.9186,
49.9625

■ 32.9919, 32.9186,
49.9625

■ 27.1090, 25.8745,
48.9134

■ 39.8469, 41.1124,
51.1833

■ 22.1514, 19.9248,
48.0263

■ 47.7119, 50.4999,
52.5807

■ 18.0728, 15.0159,
47.2938

■ 56.6266, 61.1275,
54.1622

■ 14.8220, 11.0879,
46.7069

■ 66.6278, 73.0382,
55.9341

■ 12.3422, 8.0750,
46.2561

■ 77.7501, 86.2727,
57.9024

■ 10.5697, 5.9032,
45.9303

■ 85.6518, 96.2407,
59.4100

■ 9.4306, 4.4869,
45.7170

■ 8.8249, 3.7177,
45.6004

■ 8.7143, 3.5858,
45.5808

Harmonies

Analogous

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



30.5458, 32.9186, 50.8540



32.9919, 32.9186, 49.9625



35.0790, 32.9186, 45.0385

Triad

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



32.9919, 32.9186, 49.9625



34.3529, 32.9186, 26.3791



26.8706, 32.9186, 33.7422

Complementary

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



32.9919, 32.9186, 49.9625



42.3684, 46.3243, 36.4150

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.



27.7808, 32.9186, 27.9925



32.9919, 32.9186, 49.9625



32.0424, 32.9186, 24.1210

Square

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



32.9919, 32.9186, 49.9625



35.8927, 32.9186, 31.2598



29.6441, 32.9186, 24.6705



27.0952, 32.9186, 40.8531

Rectangle

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



32.9919, 32.9186, 49.9625



35.9448, 32.9186, 40.4466



29.6441, 32.9186, 24.6705



27.0521, 32.9186, 31.6022

Sweetspot

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



32.9929, 32.9200, 49.9632



75.3564, 78.2573, 93.3381



38.6304, 44.3732, 51.2928



16.0395, 16.6250, 20.0852



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.



32.9929, 32.9200, 49.9632



55.3775, 54.3735, 89.7810



35.8030, 34.1263, 50.0480



8.5430, 8.7633, 11.3207



6.0155, 2.4908, 31.4168



0.2197, 0.1031, 1.1101

Inverse Universe

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



36.7460, 34.9476, 34.9474



63.5064, 58.7832, 57.2539



39.1852, 44.9910, 36.3255



9.0157, 9.0166, 9.4301



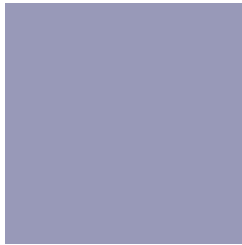
13.6500, 7.0338, 0.7780



0.4851, 0.2495, 0.0478

Previews

White Background



This preview shows how the XYZ color 32.9919, 32.9186, 49.9625 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 32.9919, 32.9186, 49.9625 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

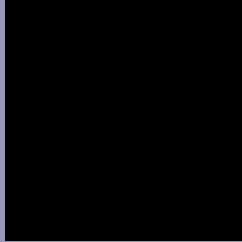
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 32.9919, 32.9186, 49.9625

Background



This preview shows how black text looks on a background with the XYZ color 32.9919, 32.9186, 49.9625.



This preview shows how white text looks on a background with the XYZ color 32.9919, 32.9186,

49.9625.

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

32.9919, 32.9186, 49.9625

Protanopia

32.7070, 33.0035, 50.5454

Deuteranopia

33.5903, 32.9851, 49.9438



Tritanopia

31.3508, 32.9936, 41.7618

Trichromacy



Original Color

32.9919, 32.9186, 49.9625

Protanomaly

32.8902, 33.0980, 50.5540

Deuteranomaly

33.3975, 32.8857, 49.9347

Tritanomaly

31.9390, 32.9827, 44.7273

Monochromacy



Original Color

32.9919, 32.9186, 49.9625

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.1218, 33.1644, 40.7848

CSS Examples

Text

The CSS property to change the color of the text to XYZ 32.9919, 32.9186, 49.9625 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(152, 153, 184)` looks like.

```
.text, #text, p{  
    color:rgb(152, 153, 184)  
}
```

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(152, 153, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(152, 153, 184) }
```

Border

The CSS property to change the border of an element to XYZ 32.9919, 32.9186, 49.9625 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(152, 153, 184) }
```


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

```
.border{ border-color:rgb(152, 153, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(152, 153, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(152, 153, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(152, 153, 184);  
box-shadow:4px 4px 4px 4px rgb(152, 153,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 32.9919, 32.9186, 49.9625 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(152, 153, 184) }
```

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

```
.background{ background-color: rgb(152,  
153, 184) }
```

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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