

Converting Colors

XYZ(34.9438, 32.4594, 64.6032)

Have a look what the booklet for
XYZ(34.9438, 32.4594, 64.6032)
contains.

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Color

**XYZ(34.8610, 32.3626,
64.7308)**

Conversions

Conversions Part 1

Format	Color
Hex	9794D1
RGB	151, 148, 209
RGB Percent	59%, 58%, 82%
CMY	0.4078, 0.4196, 0.1804
CMYK	0.28, 0.29, 0.00, 0.18
HSL	243°, 40%, 70%
HSV	243°, 29%, 82%
XYZ	34.8610, 32.3626, 64.7308
YIQ	155.8510, -17.7930, 19.6070

Conversions

Conversions Part 2

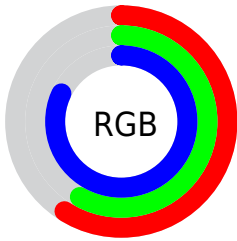
Format	Color
RYB	151, 148, 209
Decimal	9934033
CIELab	63.64, 14.63, -30.86
CIElCh	64, 34.147, 295.360
Yxy	32.3626, 0.2642, 0.2453
Android (android.graphics.Color)	4288124113 (0xFF9794D1)
YUV	155.8510, 26.2025, -4.2543
Hunter-Lab	56.8881, 9.8304, -27.6421

Details

The XYZ color **34.8610, 32.3626, 64.7308** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.6003, 60.8616, 36.9408**, and the grayscale version is **31.4271, 33.0637, 36.0064**.

A 20% lighter version of the original color is **64.6241, 62.5829, 103.2814**, and **15.1444, 13.4792, 32.3754** is the 20% darker color. If you saturate the color by 10%, you get **28.4917, 24.6446, 63.5773**, and if you desaturate by 10%, it is **42.4461, 41.5874, 66.1121**.

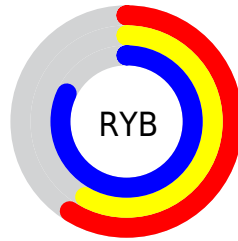
Distribution



Red (59%)

Green (58%)

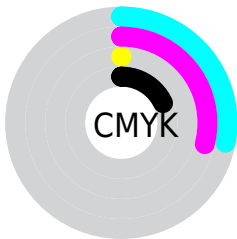
Blue (82%)



Red (59%)

Yellow (58%)

Blue (82%)

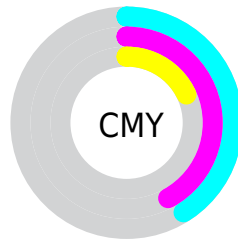


Cyan (28%)

Magenta (29%)

Yellow (0%)

Black (18%)



Cyan (41%)

Magenta (42%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 34.8610, 32.3626, 64.7308 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 34.8610, 32.3626, 64.7308 by changing the saturation by 10% instead.

■ 34.8610, 32.3626,
64.7308

■ 34.8610, 32.3626,
64.7308

315.4731,
312.7677, 460.1037

■ 23.7218, 21.6386,
46.7929

■ 66.6058, 63.3791,
113.2723

■ 15.2510, 13.5916,
32.5188

■ 87.9422, 84.4404,
144.7130

■ 9.0832, 7.8372,
21.4900

113.4083,
109.7163, 181.4916

■ 4.8530, 3.9909,
13.2879

143.3696,
139.5911, 224.0268

■ 2.1952, 1.6685,
7.4940

178.1914,
174.4492, 272.7371

■ 0.7402, 0.4031,
3.6898

218.2390,

■ 0.0000, 0.0000,

214.6751, 328.0409

1.4568

263.8778,
260.6531, 390.3569

■ 0.0000, 0.0000,
0.1854

■ 0.0000, 0.0000,
0.0000

■ 34.8610, 32.3626,
64.7308

■ 34.8610, 32.3626,
64.7308

■ 28.4917, 24.6446,
63.5773

■ 42.4461, 41.5874,
66.1121

■ 23.2717, 18.3497,
62.6374

■ 51.3020, 52.3889,
67.7303

■ 19.1336, 13.3921,
61.8986

■ 61.4846, 64.8376,
69.5965

■ 16.0012, 9.6750,
61.3462

■ 73.0452, 78.9984,
71.7204

■ 13.7887, 7.0886,
60.9636

■ 86.0327, 94.9325,
74.1115

■ 12.3958, 5.5040,
60.7312

■ 88.5087, 97.3835,
74.4541

■ 11.6774, 4.7179,
60.6173

■ 11.6374, 4.6698,
60.6101

Harmonies

Analogous

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



30.0230, 32.3626, 68.4711



34.8610, 32.3626, 64.7308



38.9467, 32.3626, 52.3922

Triad

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



34.8610, 32.3626, 64.7308



36.2779, 32.3626, 17.7322



22.4877, 32.3626, 33.1531

Complementary

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



34.8610, 32.3626, 64.7308



53.6003, 60.8616, 36.9408

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.



23.8088, 32.3626, 22.3071



34.8610, 32.3626, 64.7308



31.5083, 32.3626, 14.9930

Square

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



34.8610, 32.3626, 64.7308



39.8223, 32.3626, 25.1347



26.9934, 32.3626, 16.4204



23.1882, 32.3626, 47.7385

Rectangle

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



34.8610, 32.3626, 64.7308



40.5230, 32.3626, 42.3082



26.9934, 32.3626, 16.4204



22.7058, 32.3626, 29.0018

Sweetspot

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



34.8621, 32.3639, 64.7315



80.5832, 82.3151, 106.2489



46.0270, 55.5096, 68.6107



16.7826, 17.0504, 22.6565



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

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



34.8621, 32.3639, 64.7315



48.2483, 42.9631, 100.3575



41.0464, 35.5520, 65.0210



11.2167, 11.4450, 14.8616



7.1995, 2.8917, 37.3712



0.4219, 0.1716, 2.0905

Inverse Universe

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



48.0259, 39.1926, 63.4273



72.1822, 55.3822, 97.8316



46.1569, 57.0244, 36.5924



12.2847, 11.9986, 14.7748



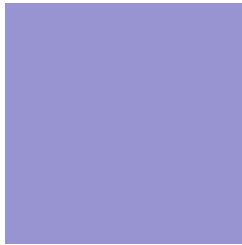
22.5597, 10.8967, 34.1834



1.2693, 0.6124, 1.9529

Previews

White Background



This preview shows how the XYZ color 34.8610, 32.3626, 64.7308 looks on a white background.

Color Contrast Check

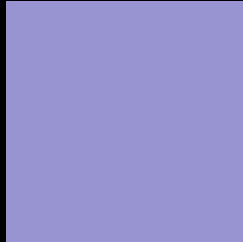
Large Text (above 18pt) WCAG AA × Fail

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 34.8610, 32.3626, 64.7308 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 34.8610, 32.3626, 64.7308

Background



This preview shows how black text looks on a background with the XYZ color 34.8610, 32.3626, 64.7308.



This preview shows how white text looks on a background with the XYZ color 34.8610, 32.3626,

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

34.8610, 32.3626, 64.7308

Protanopia

33.2652, 32.4442, 66.7964

Deuteranopia

33.2609, 32.4995, 64.1945



Tritanopia

30.2840, 32.4437, 41.7119

Trichromacy



Original Color

34.8610, 32.3626, 64.7308

Protanomaly

33.8090, 32.4991, 66.1190

Deuteranomaly

33.7795, 32.5269, 64.1725

Tritanomaly

31.7925, 32.3124, 49.3610

Monochromacy



Original Color

34.8610, 32.3626, 64.7308

Achromatopsia

31.5995, 33.2452, 36.2040

Achromatomaly

32.4555, 32.7476, 45.1678

CSS Examples

Text

The CSS property to change the color of the text to XYZ 34.8610, 32.3626, 64.7308 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, 148, 209)` looks like.

```
.text, #text, p{  
    color:rgb(151, 148, 209)  
}
```

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, 148, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 148, 209) }
```

Border

The CSS property to change the border of an element to XYZ 34.8610, 32.3626, 64.7308 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, 148, 209) }
```


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

```
.border{ border-color:rgb(151, 148, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 148, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 148, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 148, 209);  
box-shadow:4px 4px 4px 4px rgb(151, 148,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 34.8610, 32.3626, 64.7308 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 148, 209) }
```

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

```
.background{ background-color: rgb(151,  
148, 209) }
```

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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