

Converting Colors

XYZ(35.7683, 32.5172, 63.3864)

Have a look what the booklet for
XYZ(35.7683, 32.5172, 63.3864)
contains.

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Color

**XYZ(35.7968, 32.6415,
63.4452)**

Conversions

Conversions Part 1

Format	Color
Hex	9E93CF
RGB	158, 147, 207
RGB Percent	62%, 58%, 81%
CMY	0.3804, 0.4235, 0.1882
CMYK	0.24, 0.29, 0.00, 0.19
HSL	251°, 38%, 69%
HSV	251°, 29%, 81%
XYZ	35.7968, 32.6415, 63.4452
YIQ	157.1290, -12.7040, 20.9920

Conversions

Conversions Part 2

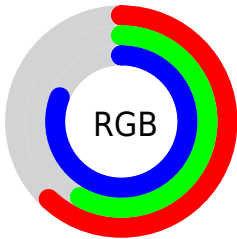
Format	Color
R_{YB}	158, 147, 207
Decimal	10392527
CIE _{Lab}	63.87, 16.82, -29.34
CIE _{LCh}	64, 33.820, 299.817
Yxy	32.6415, 0.2714, 0.2475
Android (android.graphics.Color)	4288582607 (0xFF9E93CF)
YUV	157.1290, 24.5864, 0.7639
Hunter-Lab	57.1327, 11.8578, -25.8479

Details

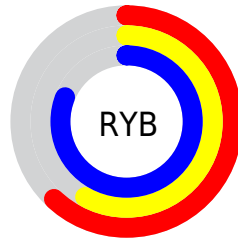
The XYZ color **35.7968, 32.6415, 63.4452** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **50.3449, 58.4686, 36.2371**, and the grayscale version is **32.0037, 33.6704, 36.6670**.

A 20% lighter version of the original color is **66.3772, 63.1394, 103.2964**, and **15.6761, 13.6360, 31.5116** is the 20% darker color. If you saturate the color by 10%, you get **29.7634, 25.1756, 62.3227**, and if you desaturate by 10%, it is **42.8690, 41.5041, 64.7837**.

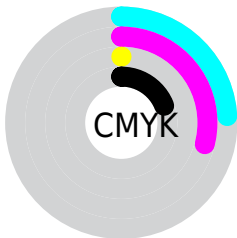
Distribution



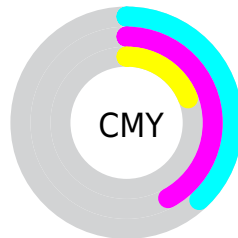
- Red (62%)
- Green (58%)
- Blue (81%)



- Red (62%)
- Yellow (58%)
- Blue (81%)



- Cyan (24%)
- Magenta (29%)
- Yellow (0%)
- Black (19%)



- Cyan (38%)
- Magenta (42%)
- Yellow (19%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 35.7968, 32.6415, 63.4452 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 35.7968, 32.6415, 63.4452 by changing the saturation by 10% instead.

■ 35.7968, 32.6415,
63.4452

■ 35.7968, 32.6415,
63.4452

319.5183,
314.0312, 455.3358

■ 24.4467, 21.8520,
45.7582

■ 68.0442, 63.8154,
111.4033

■ 15.7918, 13.7482,
31.7077

■ 89.6723, 84.9686,
142.5115

■ 9.4669, 7.9457,
20.8754

115.4570,
110.3451, 178.9304

■ 5.1065, 4.0602,
12.8426

145.7637,
140.3293, 221.0787

■ 2.3453, 1.7073,
7.1908

180.9579,
175.3056, 269.3748

■ 0.8177, 0.4284,
3.5015

221.4048,

■ 0.0000, 0.0000,

215.6584, 324.2373

1.3560

267.4698,
261.7722, 386.0848

■ 0.0000, 0.0000,
0.1071

■ 0.0000, 0.0000,
0.0000

■ 35.7968, 32.6415,
63.4452

■ 35.7968, 32.6415,
63.4452

■ 29.7634, 25.1756,
62.3227

■ 42.8690, 41.5041,
64.7837

■ 24.7159, 19.0309,
61.4027

■ 51.0229, 51.8260,
66.3462

■ 20.6015, 14.1304,
60.6736

■ 60.3031, 63.6708,
68.1434

■ 17.3612, 10.3876,
60.1220

■ 70.7506, 77.0971,
70.1843

■ 14.9289, 7.7048,
59.7323

■ 82.4042, 92.1603,
72.4776

■ 13.2282, 5.9674,
59.4866

■ 88.2626, 97.2850,
73.1580

■ 12.1476, 4.9952,
59.3559

■ 12.0601, 4.9162,
59.3453

Harmonies

Analogous

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



30.9956, 32.6415, 68.6841



35.7968, 32.6415, 63.4452



39.6186, 32.6415, 50.3988

Triad

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



35.7968, 32.6415, 63.4452



35.8525, 32.6415, 17.3708



22.7503, 32.6415, 35.4575

Complementary

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



35.7968, 32.6415, 63.4452



50.3449, 58.4686, 36.2371

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.



23.7732, 32.6415, 23.9344



35.7968, 32.6415, 63.4452



31.0540, 32.6415, 15.2599

Square

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



35.7968, 32.6415, 63.4452



39.6530, 32.6415, 24.0459



26.6969, 32.6415, 17.3189



23.7488, 32.6415, 50.2162

Rectangle

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



35.7968, 32.6415, 63.4452



40.9223, 32.6415, 40.3744



26.6969, 32.6415, 17.3189



22.8676, 32.6415, 31.1097

Sweetspot

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



35.7979, 32.6428, 63.4459



81.5984, 82.8384, 106.2965



43.0360, 50.1888, 66.4512



17.0303, 17.1781, 22.6681



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.



35.7979, 32.6428, 63.4459



50.9589, 44.3605, 100.4843



42.4362, 36.0650, 63.7566



11.3630, 11.5204, 14.8684



7.6566, 3.1274, 37.3926



0.4904, 0.2070, 2.0937

Inverse Universe

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



46.1305, 38.1195, 57.1516



70.3572, 54.6522, 88.2212



43.3061, 54.8400, 35.9077



12.2139, 11.9703, 14.4024



20.7597, 10.1767, 24.7045



1.1855, 0.5789, 1.5117

Previews

White Background



This preview shows how the XYZ color 35.7968, 32.6415, 63.4452 looks on a white background.

Color Contrast Check

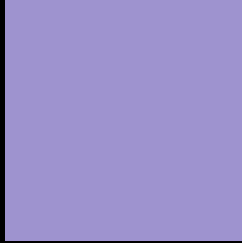
Large Text (above 18pt) WCAG AA × Fail

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 35.7968, 32.6415, 63.4452 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 35.7968, 32.6415, 63.4452

Background



This preview shows how black text looks on a background with the XYZ color 35.7968, 32.6415, 63.4452.



This preview shows how white text looks on a background with the XYZ color 35.7968, 32.6415,

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

35.7968, 32.6415, 63.4452

Protanopia

33.6303, 32.8889, 66.2037

Deuteranopia

33.5241, 32.6635, 62.9303



Tritanopia

31.2741, 32.7167, 41.2259

Trichromacy



Original Color

35.7968, 32.6415, 63.4452

Protanomaly

34.3765, 32.8061, 65.4931

Deuteranomaly

34.2597, 32.5648, 62.8725

Tritanomaly

32.8086, 32.6062, 48.8204

Monochromacy



Original Color

35.7968, 32.6415, 63.4452

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.0337, 33.0457, 45.1948

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.7968, 32.6415, 63.4452 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(158, 147, 207)` looks like.

```
.text, #text, p{  
    color:rgb(158, 147, 207)  
}
```

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(158, 147, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 147, 207) }
```

Border

The CSS property to change the border of an element to XYZ 35.7968, 32.6415, 63.4452 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(158, 147, 207) }
```


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

```
.border{ border-color:rgb(158, 147, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 147, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 147, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 147, 207);  
box-shadow:4px 4px 4px 4px rgb(158, 147,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 35.7968, 32.6415, 63.4452 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 147, 207) }
```

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

```
.background{ background-color: rgb(158,  
147, 207) }
```

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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