

Converting Colors

XYZ(36.2686, 32.8017, 68.7937)

Have a look what the booklet for
XYZ(36.2686, 32.8017, 68.7937)
contains.

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Color

**XYZ(36.2170, 32.7423,
68.7010)**

Conversions

Conversions Part 1

Format	Color
Hex	9B93D7
RGB	155, 147, 215
RGB Percent	61%, 58%, 84%
CMY	0.3921, 0.4235, 0.1569
CMYK	0.28, 0.32, 0.00, 0.16
HSL	247°, 46%, 71%
HSV	247°, 32%, 84%
XYZ	36.2170, 32.7423, 68.7010
YIQ	157.1440, -17.0600, 22.8440

Conversions

Conversions Part 2

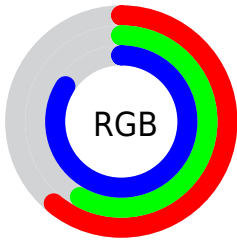
Format	Color
RYB	155, 147, 215
Decimal	10195927
CIELab	63.95, 17.87, -33.69
CIElCh	64, 38.137, 297.941
Yxy	32.7423, 0.2631, 0.2378
Android (android.graphics.Color)	4288386007 (0xFF9B93D7)
YUV	157.1440, 28.5230, -1.8803
Hunter-Lab	57.2209, 12.8420, -31.1306

Details

The XYZ color **36.2170, 32.7423, 68.7010** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.2999, 63.9736, 37.0386**, and the grayscale version is **31.9947, 33.6609, 36.6567**.

A 20% lighter version of the original color is **65.8006, 62.8422, 103.2694**, and **16.0075, 13.7286, 35.0639** is the 20% darker color. If you saturate the color by 10%, you get **29.8218, 24.9382, 67.5323**, and if you desaturate by 10%, it is **43.8112, 42.0934, 70.1063**.

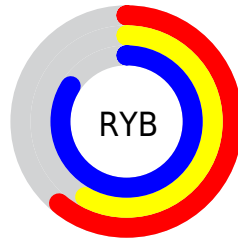
Distribution



Red (61%)

Green (58%)

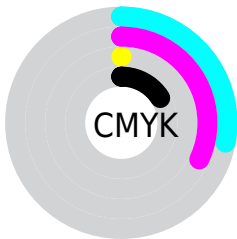
Blue (84%)



Red (61%)

Yellow (58%)

Blue (84%)

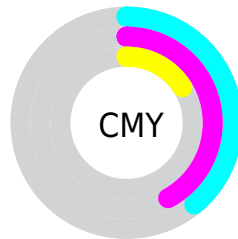


Cyan (28%)

Magenta (32%)

Yellow (0%)

Black (16%)



Cyan (39%)

Magenta (42%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2170, 32.7423, 68.7010 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 36.2170, 32.7423, 68.7010 by changing the saturation by 10% instead.

■ 36.2170, 32.7423,
68.7010

■ 36.2170, 32.7423,
68.7010

321.3227,
314.4869, 474.6410

■ 24.7727, 21.9291,
49.9980

■ 68.6886, 63.9730,
119.0181

■ 16.0356, 13.8048,
35.0406

■ 90.4465, 85.1593,
151.4693

■ 9.6404, 7.9850,
23.4104

116.3731,
110.5720, 189.3402

■ 5.2216, 4.0854,
14.6887

146.8337,
140.5957, 233.0495

■ 2.4140, 1.7214,
8.4570

182.1936,
175.6146, 283.0157

■ 0.8521, 0.4375,
4.2968

222.8181,

■ 0.0000, 0.0000,

216.0132, 339.6574

1.7895

269.0727,
262.1758, 403.3930

■ 0.0000, 0.0000,
0.4210

■ 0.0000, 0.0000,
0.0000

■ 36.2170, 32.7423,
68.7010

■ 36.2170, 32.7423,
68.7010

■ 29.8218, 24.9382,
67.5323

■ 43.8112, 42.0934,
70.1063

■ 24.5608, 18.5937,
66.5850

■ 52.6581, 53.0648,
71.7577

■ 20.3680, 13.6188,
65.8457

■ 62.8122, 65.7298,
73.6671

■ 17.1692, 9.9115,
65.2987

■ 74.3238, 80.1560,
75.8449

■ 14.8805, 7.3559,
64.9261

■ 87.2406, 96.4075,
78.3010

■ 13.4038, 5.8141,
64.7063

■ 89.2658, 97.6863,
78.4411

■ 12.6740, 5.1168,
64.6102

Harmonies

Analogous

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



30.7508, 32.7423, 74.1507



36.2170, 32.7423, 68.7010



40.7237, 32.7423, 53.7764

Triad

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



36.2170, 32.7423, 68.7010



36.9332, 32.7423, 15.9939



21.8952, 32.7423, 34.5980

Complementary

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



36.2170, 32.7423, 68.7010



55.2999, 63.9736, 37.0386

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.



23.1599, 32.7423, 22.1382



36.2170, 32.7423, 68.7010



31.4933, 32.7423, 13.5025

Square

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



36.2170, 32.7423, 68.7010



41.1695, 32.7423, 23.5060



26.5262, 32.7423, 15.3788



22.8563, 32.7423, 51.3902

Rectangle

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



36.2170, 32.7423, 68.7010



42.3574, 32.7423, 42.1971



26.5262, 32.7423, 15.3788



22.0707, 32.7423, 29.8192

Sweetspot

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



36.2181, 32.7436, 68.7018



81.0991, 82.5810, 106.2731



46.6283, 55.7682, 72.5973



16.9084, 17.1152, 22.6623



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.



36.2181, 32.7436, 68.7018



46.7635, 40.1982, 99.9021



43.6702, 36.5853, 69.0505



11.8770, 12.0780, 15.6428



7.6269, 3.0843, 38.6465



0.5063, 0.2099, 2.3331

Inverse Universe

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



49.7214, 39.8207, 64.0979



69.7524, 52.2553, 91.6801



46.8162, 59.6001, 36.6416



12.8872, 12.6064, 15.3461



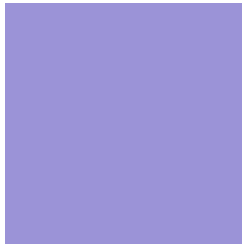
22.3276, 10.8674, 30.0929



1.3649, 0.6628, 1.9109

Previews

White Background



This preview shows how the XYZ color 36.2170, 32.7423, 68.7010 looks on a white background.

Color Contrast Check

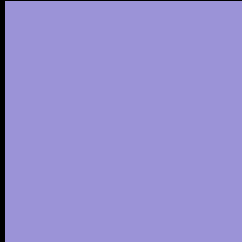
Large Text (above 18pt) WCAG AA × Fail

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 36.2170, 32.7423, 68.7010 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 36.2170, 32.7423, 68.7010

Background



This preview shows how black text looks on a background with the XYZ color 36.2170, 32.7423, 68.7010.



This preview shows how white text looks on a background with the XYZ color 36.2170, 32.7423,

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

36.2170, 32.7423, 68.7010

Protanopia

34.0089, 32.9653, 71.5883

Deuteranopia

33.6822, 32.8717, 68.1880



Tritanopia

30.9040, 32.7525, 42.2292

Trichromacy



Original Color

36.2170, 32.7423, 68.7010

Protanomaly

34.8768, 32.9460, 70.8507

Deuteranomaly

34.5319, 32.8279, 68.1347

Tritanomaly

32.6486, 32.7172, 51.0487

Monochromacy



Original Color

36.2170, 32.7423, 68.7010

Achromatopsia

32.0474, 33.7164, 36.7171

Achromatomaly

33.1374, 33.0647, 46.7551

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2170, 32.7423, 68.7010 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(155, 147, 215)` looks like.

```
.text, #text, p{  
    color:rgb(155, 147, 215)  
}
```

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(155, 147, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(155, 147, 215) }
```

Border

The CSS property to change the border of an element to XYZ 36.2170, 32.7423, 68.7010 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(155, 147, 215) }
```


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

```
.border{ border-color:rgb(155, 147, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(155, 147, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(155, 147, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(155, 147, 215);  
box-shadow:4px 4px 4px 4px rgb(155, 147,  
215) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2170, 32.7423, 68.7010 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(155, 147, 215) }
```

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

```
.background{ background-color: rgb(155,  
147, 215) }
```

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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