

Converting Colors

XYZ(36.9422, 36.0803, 59.3310)

Have a look what the booklet for
XYZ(36.9422, 36.0803, 59.3310)
contains.

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Color

**XYZ(36.8337, 35.9482,
59.0302)**

Conversions

Conversions Part 1

Format	Color
Hex	9F9EC7
RGB	159, 158, 199
RGB Percent	62%, 62%, 78%
CMY	0.3765, 0.3804, 0.2196
CMYK	0.20, 0.21, 0.00, 0.22
HSL	241°, 27%, 70%
HSV	241°, 21%, 78%
XYZ	36.8337, 35.9482, 59.0302
YIQ	162.9730, -12.5650, 12.9630

Conversions

Conversions Part 2

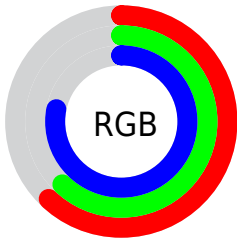
Format	Color
R _Y B	159, 158, 199
Decimal	10460871
CIE Lab	66.48, 9.02, -20.87
CIE LCh	66, 22.737, 293.362
Yxy	35.9482, 0.2794, 0.2727
Android (android.graphics.Color)	4288650951 (0xFF9F9EC7)
YUV	162.9730, 17.7613, -3.4843
Hunter-Lab	59.9568, 4.7347, -16.4039

Details

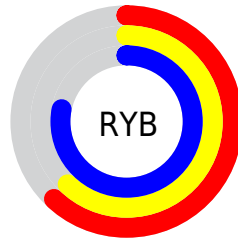
The XYZ color **36.8337, 35.9482, 59.0302** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **49.8850, 55.3222, 40.3985**, and the grayscale version is **34.7240, 36.5324, 39.7838**.

A 20% lighter version of the original color is **69.5758, 69.1046, 104.2792**, and **16.4319, 15.6855, 28.9496** is the 20% darker color. If you saturate the color by 10%, you get **30.1579, 27.8698, 57.8234**, and if you desaturate by 10%, it is **44.6662, 45.4405, 60.4502**.

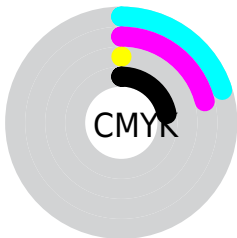
Distribution



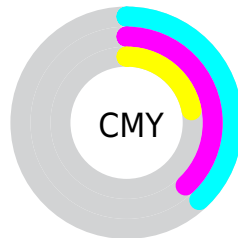
- Red (62%)
- Green (62%)
- Blue (78%)



- Red (62%)
- Yellow (62%)
- Blue (78%)



- Cyan (20%)
- Magenta (21%)
- Yellow (0%)
- Black (22%)



- Cyan (38%)
- Magenta (38%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8337, 35.9482, 59.0302 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 36.8337, 35.9482, 59.0302 by changing the saturation by 10% instead.

■ 36.8337, 35.9482,
59.0302

■ 36.8337, 35.9482,
59.0302

323.9580,
328.7341, 438.7188

■ 25.2518, 24.3942,
42.2173

■ 69.6324, 68.9521,
104.9511

■ 16.3945, 15.6263,
28.9446

■ 91.5800, 91.1708,
134.8962

■ 9.8964, 9.2601,
18.7937

117.7136,
117.7132, 170.0557

■ 5.3920, 4.9112,
11.3460

148.3984,
148.9636, 210.8481

■ 2.5162, 2.1953,
6.1830

183.9999,
185.3065, 257.6922

■ 0.9034, 0.7174,
2.8861

224.8835,

■ 0.0000, 0.0000,

227.1263, 311.0063

1.0368

271.4144,
274.8074, 371.2090

■ 0.0000, 0.0000,
0.0000

■ 36.8337, 35.9482,
59.0302

■ 36.8337, 35.9482,
59.0302

■ 30.1579, 27.8698,
57.8234

■ 44.6662, 45.4405,
60.4502

■ 24.5807, 21.1337,
56.8171

■ 53.7029, 56.4052,
62.0903

■ 20.0445, 15.6684,
56.0013

■ 63.9929, 68.9029,
63.9602

■ 16.4845, 11.3942,
55.3639

■ 75.5814, 82.9892,
66.0684

■ 13.8293, 8.2223,
54.8916

■ 87.3089, 96.9036,
68.1360

■ 11.9972, 6.0517,
54.5692

■ 10.8923, 4.7626,
54.3786

■ 10.3696, 4.1548,
54.2889

Harmonies

Analogous

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



33.4155, 35.9482, 60.9085



36.8337, 35.9482, 59.0302



39.7025, 35.9482, 51.4481

Triad

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



36.8337, 35.9482, 59.0302



38.2309, 35.9482, 25.9266



28.0610, 35.9482, 37.0112

Complementary

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



36.8337, 35.9482, 59.0302



49.8850, 55.3222, 40.3985

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.



29.1727, 35.9482, 28.9727



36.8337, 35.9482, 59.0302



34.9311, 35.9482, 23.2978

Square

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



36.8337, 35.9482, 59.0302



40.5460, 35.9482, 32.1587



31.6335, 35.9482, 24.3122



28.4961, 35.9482, 47.0683

Rectangle

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



36.8337, 35.9482, 59.0302



40.8415, 35.9482, 44.7668



31.6335, 35.9482, 24.3122



28.2637, 35.9482, 34.0083

Sweetspot

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



36.8348, 35.9497, 59.0310



85.0816, 87.9016, 107.0902



44.6770, 51.9266, 61.7015



17.9891, 18.5453, 22.8814



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.



36.8348, 35.9497, 59.0310



58.6772, 55.9022, 102.3053



41.1698, 38.1844, 59.2339



10.0801, 10.2996, 13.3742



6.6785, 2.6772, 34.9091



0.3248, 0.1312, 1.6533

Inverse Universe

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



45.9743, 40.6746, 58.8557



77.7265, 65.7512, 101.8978



44.9141, 52.7596, 40.1658



11.0715, 10.8120, 13.3599



21.4230, 10.3188, 33.7669



1.0180, 0.4900, 1.6179

Previews

White Background



This preview shows how the XYZ color 36.8337, 35.9482, 59.0302 looks on a white background.

Color Contrast Check

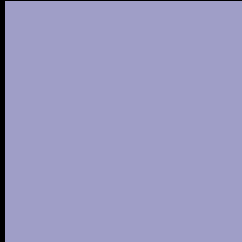
Large Text (above 18pt) WCAG AA × Fail

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 36.8337, 35.9482, 59.0302 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

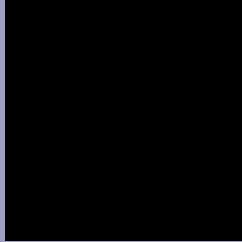
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 36.8337, 35.9482, 59.0302

Background



This preview shows how black text looks on a background with the XYZ color 36.8337, 35.9482, 59.0302.



This preview shows how white text looks on a background with the XYZ color 36.8337, 35.9482,

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

36.8337, 35.9482, 59.0302

Protanopia

35.9450, 35.9871, 59.6953

Deuteranopia

36.6362, 35.8463, 59.0209



Tritanopia

34.1758, 35.9044, 45.6864

Trichromacy



Original Color

36.8337, 35.9482, 59.0302

Protanomaly

36.3410, 35.9350, 59.6643

Deuteranomaly

36.6362, 35.8463, 59.0209

Tritanomaly

35.1069, 36.0183, 50.4493

Monochromacy



Original Color

36.8337, 35.9482, 59.0302

Achromatopsia

34.8123, 36.6253, 39.8849

Achromatomaly

35.4816, 36.3057, 46.2119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8337, 35.9482, 59.0302 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(159, 158, 199)` looks like.

```
.text, #text, p{  
    color:rgb(159, 158, 199)  
}
```

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(159, 158, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 158, 199) }
```

Border

The CSS property to change the border of an element to XYZ 36.8337, 35.9482, 59.0302 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(159, 158, 199) }
```


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

```
.border{ border-color:rgb(159, 158, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(159, 158, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 158, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 158, 199);  
box-shadow:4px 4px 4px 4px rgb(159, 158,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8337, 35.9482, 59.0302 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 158, 199) }
```

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

```
.background{ background-color: rgb(159,  
158, 199) }
```

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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