

Converting Colors

XYZ(37.3644, 23.8242, 89.8180)

Have a look what the booklet for
XYZ(37.3644, 23.8242, 89.8180)
contains.

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Color

**XYZ(37.3644, 23.8242,
89.8180)**

Conversions

Conversions Part 1

Format	Color
Hex	A962F6
RGB	169, 98, 246
RGB Percent	66%, 38%, 96%
CMY	0.3372, 0.6157, 0.0353
CMYK	0.31, 0.60, 0.00, 0.04
HSL	269°, 89%, 67%
HSV	269°, 60%, 96%
XYZ	37.3644, 23.8242, 89.8180
YIQ	136.1010, -5.1920, 61.0800

Conversions

Conversions Part 2

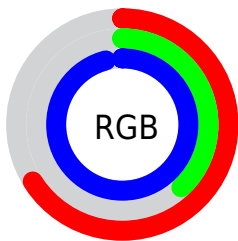
Format	Color
R_{YB}	169, 98, 246
Decimal	11100918
CIE _{Lab}	55.91, 56.31, -63.59
CIE _{LCh}	56, 84.938, 311.530
Yxy	23.8242, 0.2474, 0.1578
Android (android.graphics.Color)	4289290998 (0xFFA962F6)
YUV	136.1010, 54.1802, 28.8524
Hunter-Lab	48.8100, 51.2253, -74.9357

Details

The XYZ color **37.3644, 23.8242, 89.8180** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **52.8398, 75.9077, 23.4226**, and the grayscale version is **23.2454, 24.4560, 26.6326**.

A 20% lighter version of the original color is **61.2731, 46.1705, 100.2901**, and **16.6792, 8.9304, 48.9888** is the 20% darker color. If you saturate the color by 10%, you get **32.7937, 18.5604, 89.0433**, and if you desaturate by 10%, it is **42.9130, 30.6423, 90.8420**.

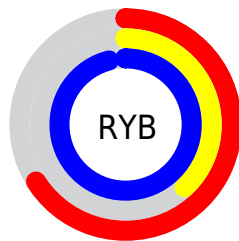
Distribution



Red (66%)

Green (38%)

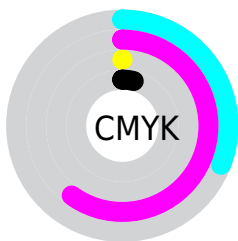
Blue (96%)



Red (66%)

Yellow (38%)

Blue (96%)

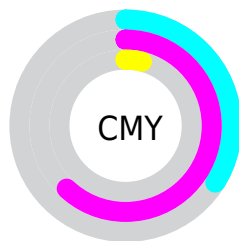


Cyan (31%)

Magenta (60%)

Yellow (0%)

Black (4%)



Cyan (34%)

Magenta (62%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3644, 23.8242, 89.8180 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 37.3644, 23.8242, 89.8180 by changing the saturation by 10% instead.

37.3644, 23.8242,
89.8180

37.3644, 23.8242,
89.8180

326.2137,
271.9305, 547.9935

25.6647, 15.2033,
67.2568

70.4431, 49.7432,
149.0189

16.7043, 8.9622,
48.8305

92.5528, 67.8100,
186.4957

10.1179, 4.7165,
34.1204

118.8632, 89.7942,
229.7814

5.5401, 2.0819,
22.7080

149.7397,
116.0803, 279.2947

2.6055, 0.6544,
14.1748

185.5477,
147.0525, 335.4540

0.9487, 0.0000,
8.1022

226.6524,

0.0000, 0.0000,

183.0954, 398.6778

4.0717

273.4193,
224.5932, 469.3848

■ 0.0000, 0.0000,
1.6648

■ 0.0000, 0.0000,
0.3364

■ 37.3644, 23.8242,
89.8180

■ 37.3644, 23.8242,
89.8180

■ 32.7937, 18.5604,
89.0433

■ 42.9130, 30.6423,
90.8420

■ 29.1229, 14.7100,
88.4936

■ 49.5024, 39.1332,
92.1337

■ 26.2650, 12.1096,
88.1423

■ 57.1932, 49.4067,
93.7113

■ 24.1081, 10.5066,
87.9466

■ 66.0403, 61.5620,
95.5912

■ 76.0945, 75.6910,
97.7885

■ 87.4034, 91.8795,
100.3171

■ 93.6346, 99.4339,
101.4468

Harmonies

Analogous

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



26.5725, 23.8242, 121.0863



37.3644, 23.8242, 89.8180



45.2872, 23.8242, 46.7616

Triad

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



37.3644, 23.8242, 89.8180



29.0685, 23.8242, 1.1143



8.8635, 23.8242, 38.1222

Complementary

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



37.3644, 23.8242, 89.8180



52.8398, 75.9077, 23.4226

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.



9.1793, 23.8242, 12.4510



37.3644, 23.8242, 89.8180



19.1235, 23.8242, 0.9211

Square

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



37.3644, 23.8242, 89.8180



39.6340, 23.8242, 4.2176



12.4086, 23.8242, 2.9990



11.3718, 23.8242, 79.7727

Rectangle

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



37.3644, 23.8242, 89.8180



46.8157, 23.8242, 24.5431



12.4086, 23.8242, 2.9990



8.6675, 23.8242, 27.3899

Sweetspot

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



37.3655, 23.8251, 89.8186



73.8688, 69.8789, 104.2024



37.3812, 40.6692, 93.0690



15.1661, 14.0591, 22.1643



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.



37.3655, 23.8251, 89.8186



34.7223, 19.1977, 96.4832



57.3012, 34.1023, 90.7515



16.3376, 16.3167, 20.8309



13.0279, 5.6905, 46.9497



1.2630, 0.5610, 4.1319

Inverse Universe

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



50.1120, 31.4239, 43.9815



50.4864, 28.6046, 39.3805



40.7468, 69.6735, 22.8566



16.8592, 16.6265, 19.0051



22.4367, 11.3181, 12.2737



2.0239, 1.0155, 1.3523

Previews

White Background



This preview shows how the XYZ color 37.3644, 23.8242, 89.8180 looks on a white background.

Color Contrast Check

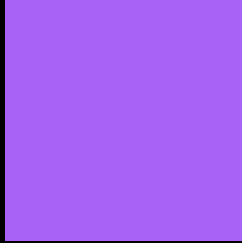
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3644, 23.8242, 89.8180 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

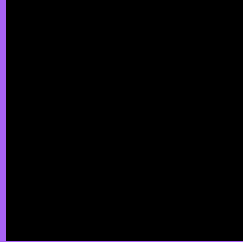
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3644, 23.8242, 89.8180

Background



This preview shows how black text looks on a background with the XYZ color 37.3644, 23.8242, 89.8180.



This preview shows how white text looks on a background with the XYZ color 37.3644, 23.8242,

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

37.3644, 23.8242, 89.8180

Protanopia

28.0825, 24.2420, 97.8068

Deuteranopia

24.9997, 24.1747, 84.2375



Tritanopia

24.7010, 23.6629, 27.3103

Trichromacy



Original Color

37.3644, 23.8242, 89.8180



Protanomaly

29.5286, 22.8099, 94.9419



Deuteranomaly

26.5830, 22.2012, 86.1033



Tritanomaly

28.0074, 22.9648, 44.5515

Monochromacy



Original Color

37.3644, 23.8242, 89.8180



Achromatopsia

23.4014, 24.6201, 26.8113



Achromatomaly

27.0087, 23.3496, 44.1577

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3644, 23.8242, 89.8180 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(169, 98, 246)` looks like.

```
.text, #text, p{  
    color:rgb(169, 98, 246)  
}
```

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(169, 98, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 98, 246) }
```

Border

The CSS property to change the border of an element to XYZ 37.3644, 23.8242, 89.8180 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(169, 98, 246) }
```


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

```
.border{ border-color:rgb(169, 98, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 98, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 98, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 98, 246);  
box-shadow:4px 4px 4px 4px rgb(169, 98,  
246) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3644, 23.8242, 89.8180 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 98, 246) }
```

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

```
.background{ background-color: rgb(169, 98,  
246) }
```

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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