

Converting Colors

XYZ(38.2907, 23.7292, 97.1698)

Have a look what the booklet for
XYZ(38.2907, 23.7292, 97.1698)
contains.

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Color

**XYZ(38.2907, 23.7292,
97.1698)**

Conversions

Conversions Part 1

Format	Color
Hex	A85FFF
RGB	168, 95, 255
RGB Percent	66%, 37%, 100%
CMY	0.3412, 0.6274, 0.0000
CMYK	0.34, 0.63, 0.00, 0.00
HSL	267°, 100%, 69%
HSV	267°, 63%, 100%
XYZ	38.2907, 23.7292, 97.1698
YIQ	135.0670, -7.8520, 65.2360

Conversions

Conversions Part 2

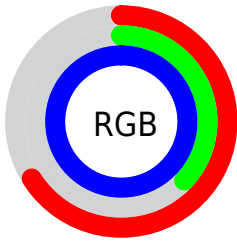
Format	Color
R _Y B	168, 95, 255
Decimal	11034623
CIE _{Lab}	55.82, 59.73, -68.73
CIE _{LCh}	56, 91.060, 310.990
Y _{xy}	23.7292, 0.2405, 0.1491
Android (android.graphics.Color)	4289224703 (0xFFA85FFF)
YUV	135.0670, 59.1270, 28.8822
Hunter-Lab	48.7126, 55.0633, -84.1702

Details

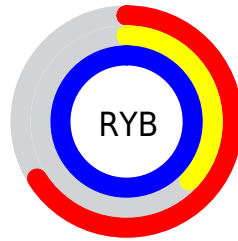
The XYZ color **38.2907, 23.7292, 97.1698** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **57.1164, 82.2910, 23.7002**, and the grayscale version is **22.8446, 24.0343, 26.1734**.

A 20% lighter version of the original color is **60.7924, 45.2089, 100.1298**, and **17.1777, 8.8683, 53.6297** is the 20% darker color. If you saturate the color by 10%, you get **33.5620, 18.4219, 96.3946**, and if you desaturate by 10%, it is **44.0875, 30.7031, 98.2104**.

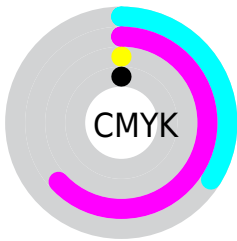
Distribution



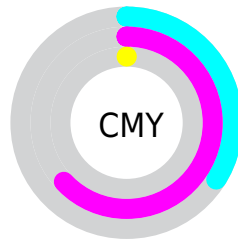
- Red (66%)
- Green (37%)
- Blue (100%)



- Red (66%)
- Yellow (37%)
- Blue (100%)



- Cyan (34%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)



- Cyan (34%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2907, 23.7292, 97.1698 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 38.2907, 23.7292, 97.1698 by changing the saturation by 10% instead.

 38.2907, 23.7292,
97.1698

 38.2907, 23.7292,
97.1698

330.1247,
271.4485, 572.2491


 26.3866, 15.1329,
73.3354


 71.8545, 49.5879,
159.2802


 17.2473, 8.9127,
53.7568


 94.2450, 67.6191,
198.3932

 10.5074, 4.6843,
38.0154


 120.8616, 89.5640,
243.4361

 5.8015, 2.0632,
25.6927

 152.0697,
115.8071, 294.8276

 2.7642, 0.6438,
16.3702

188.2348,
146.7327, 352.9861

 1.0303, 0.0000,
9.6293

229.7220,

 0.0000, 0.0000,

182.7252, 418.3301

5.0515

276.8969,
224.1690, 491.2783

■ 0.0000, 0.0000,
2.2182

■ 0.0000, 0.0000,
0.6849

■ 38.2907, 23.7292,
97.1698

■ 38.2907, 23.7292,
97.1698

■ 33.5620, 18.4219,
96.3946

■ 44.0875, 30.7031,
98.2104

■ 29.8122, 14.6208,
95.8586

■ 51.0250, 39.4784,
99.5385

■ 26.9392, 12.1358,
95.5303

■ 59.1723, 50.1786,
101.1745

■ 25.2990, 10.9570,
95.3892

■ 68.5914, 62.9151,
103.1364

■ 79.3399, 77.7907,
105.4412

■ 91.4717, 94.9012,
108.1044

■ 95.0500, 100.0000,
108.9000

Harmonies

Analogous

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



26.5652, 23.7292, 131.9154



38.2907, 23.7292, 97.1698



47.0916, 23.7292, 49.2081

Triad

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



38.2907, 23.7292, 97.1698



29.6783, 23.7292, 0.7089



8.1141, 23.7292, 38.2990

Complementary

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



38.2907, 23.7292, 97.1698



57.1164, 82.2910, 23.7002

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.



8.4841, 23.7292, 11.3620



38.2907, 23.7292, 97.1698



18.9682, 23.7292, 0.4785

Square

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



38.2907, 23.7292, 97.1698



41.1609, 23.7292, 3.5831



11.8554, 23.7292, 2.2750



10.6190, 23.7292, 84.1642

Rectangle

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



38.2907, 23.7292, 97.1698



48.8823, 23.7292, 24.8645



11.8554, 23.7292, 2.2750



7.9324, 23.7292, 26.8347

Sweetspot

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



38.2917, 23.7300, 97.1699



72.4575, 68.2294, 103.9584



39.7031, 43.5202, 100.9154



14.8731, 13.7292, 22.1160



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.



38.2917, 23.7300, 97.1699



32.6340, 17.4391, 96.2538



60.5001, 35.1789, 98.2092



17.7904, 17.7837, 22.7449



13.3865, 5.8115, 49.8508



1.4275, 0.6298, 4.8596

Inverse Universe

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



53.7756, 32.8220, 47.7555



50.1028, 27.7161, 39.6270



43.4193, 75.2299, 23.0592



18.4225, 18.1523, 20.8422



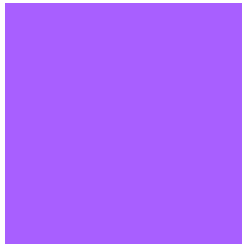
24.0469, 12.1080, 14.1632



2.3965, 1.2010, 1.6695

Previews

White Background



This preview shows how the XYZ color 38.2907, 23.7292, 97.1698 looks on a white background.

Color Contrast Check

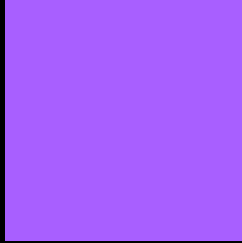
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2907, 23.7292, 97.1698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

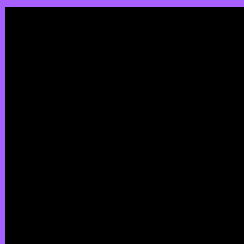
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.2907, 23.7292, 97.1698

Background



This preview shows how black text looks on a background with the XYZ color 38.2907, 23.7292, 97.1698.

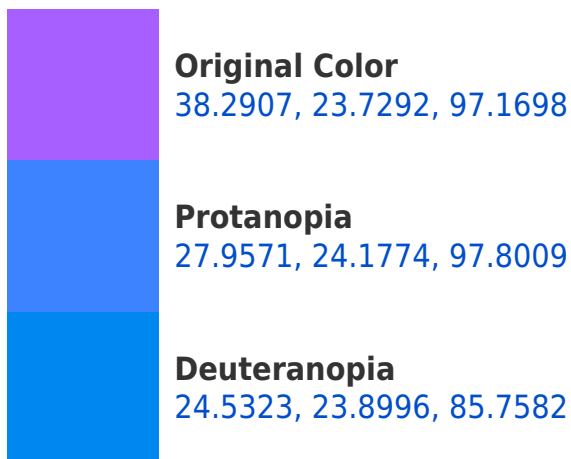


This preview shows how white text looks on a background with the XYZ color 38.2907, 23.7292,

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





Tritanopia

24.1875, 23.5843, 27.7035

Trichromacy



Original Color

38.2907, 23.7292, 97.1698



Protanomaly

29.6668, 22.6519, 97.4164



Deuteranomaly

25.2433, 21.2594, 89.1592



Tritanomaly

27.8386, 22.8311, 46.6556

Monochromacy



Original Color

38.2907, 23.7292, 97.1698



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.8858, 22.8907, 45.6491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2907, 23.7292, 97.1698 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(168, 95, 255)` looks like.

```
.text, #text, p{  
    color:rgb(168, 95, 255)  
}
```

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(168, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 95, 255) }
```

Border

The CSS property to change the border of an element to XYZ 38.2907, 23.7292, 97.1698 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(168, 95, 255) }
```


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

```
.border{ border-color:rgb(168, 95, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(168, 95,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2907, 23.7292, 97.1698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 95, 255) }
```

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

```
.background{ background-color: rgb(168, 95,  
255) }
```

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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