

Converting Colors

XYZ(55.0660, 30.8717,
194.9879)

Have a look what the booklet for
XYZ(55.0660, 30.8717, 194.9879)
contains.

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Color

**XYZ(36.5118, 23.5024,
97.2198)**

Conversions

Conversions Part 1

Format	Color
Hex	9D64FF
RGB	157, 100, 255
RGB Percent	62%, 39%, 100%
CMY	0.3843, 0.6078, 0.0000
CMYK	0.38, 0.61, 0.00, 0.00
HSL	262°, 100%, 70%
HSV	262°, 61%, 100%
XYZ	36.5118, 23.5024, 97.2198
YIQ	134.7130, -15.7830, 60.2890

Conversions

Conversions Part 2

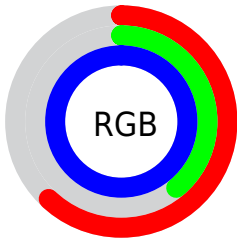
Format	Color
R _Y B	157, 100, 255
Decimal	10315007
CIE Lab	55.59, 54.91, -69.16
CIE LCh	56, 88.309, 308.446
Yxy	23.5024, 0.2322, 0.1495
Android (android.graphics.Color)	4288505087 (0xFF9D64FF)
YUV	134.7130, 59.3015, 19.5457
Hunter-Lab	48.4793, 49.5972, -84.9640

Details

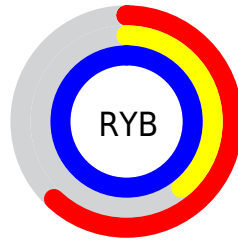
The XYZ color **36.5118, 23.5024, 97.2198** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **61.3482, 84.4455, 25.1232**, and the grayscale version is **22.7156, 23.8986, 26.0256**.

A 20% lighter version of the original color is **57.7601, 44.6014, 100.1724**, and **16.2134, 8.8245, 53.6721** is the 20% darker color. If you saturate the color by 10%, you get **31.4969, 17.8372, 96.3906**, and if you desaturate by 10%, it is **42.7088, 30.9132, 98.3236**.

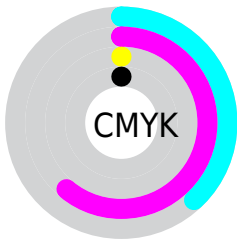
Distribution



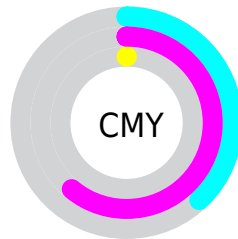
- Red (62%)
- Green (39%)
- Blue (100%)



- Red (62%)
- Yellow (39%)
- Blue (100%)



- Cyan (38%)
- Magenta (61%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (61%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.5118, 23.5024, 97.2198 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 36.5118, 23.5024, 97.2198 by changing the saturation by 10% instead.

 36.5118, 23.5024,
97.2198


 36.5118, 23.5024,
97.2198


322.5844,
270.2950, 572.4121


 25.0017, 14.9649,
73.3768


 69.1400, 49.2170,
159.3497


 16.2070, 8.7948,
53.7905


 90.9888, 67.1628,
198.4736

 9.7625, 4.6076,
38.0421


 117.0145, 89.0136,
243.5284

 5.3029, 2.0189,
25.7133

 147.5825,
115.1537, 294.9324

 2.4626, 0.6184,
16.3854

183.0581,
145.9675, 353.1042

 0.8764, 0.0000,
9.6400

223.8067,

 0.0000, 0.0000,

181.8394, 418.4624

5.0585

270.1937,
223.1538, 491.4256

■ 0.0000, 0.0000,
2.2223

■ 0.0000, 0.0000,
0.6872

■ 36.5118, 23.5024,
97.2198

■ 36.5118, 23.5024,
97.2198

■ 31.4969, 17.8372,
96.3906

■ 42.7088, 30.9132,
98.3236

■ 27.5709, 13.7587,
95.8103

■ 50.1648, 40.2043,
99.7240

■ 24.6287, 11.0812,
95.4486

■ 58.9530, 51.4995,
101.4410

■ 22.6436, 9.5881,
95.2650

■ 69.1398, 64.9113,
103.4928

■ 80.7870, 80.5433,
105.8962

■ 93.9524, 98.4926,
108.6669

■ 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.



25.2755, 23.5024, 127.4480



36.5118, 23.5024, 97.2198



45.3463, 23.5024, 51.5386

Triad

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



36.5118, 23.5024, 97.2198



30.1512, 23.5024, 0.9581



8.2307, 23.5024, 34.5357

Complementary

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



36.5118, 23.5024, 97.2198



61.3482, 84.4455, 25.1232

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.



8.8270, 23.5024, 10.2502



36.5118, 23.5024, 97.2198



19.6380, 23.5024, 0.5933

Square

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



36.5118, 23.5024, 97.2198



40.9781, 23.5024, 4.3776



12.4092, 23.5024, 2.1744



10.4325, 23.5024, 77.1911

Rectangle

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



36.5118, 23.5024, 97.2198



47.5190, 23.5024, 27.1086



12.4092, 23.5024, 2.1744



8.1279, 23.5024, 24.1294

Sweetspot

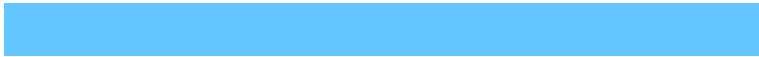
The Sweet Spot groups the original color and five complimentary colors.



36.5128, 23.5032, 97.2199



72.2329, 69.0356, 104.1259



43.5380, 50.3940, 102.0401



14.7693, 13.8546, 22.1457



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.



36.5128, 23.5032, 97.2199



30.5362, 16.8024, 96.2415



56.6486, 33.8835, 98.1622



17.6338, 17.7030, 22.7376



11.9815, 5.0872, 49.7850



1.2819, 0.5548, 4.8528

Inverse Universe

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



55.9900, 34.4517, 57.1231



52.2794, 29.0660, 49.6111



45.8990, 76.4811, 24.4002



18.4926, 18.1804, 21.2114



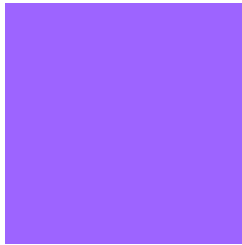
24.9948, 12.4872, 19.1547



2.4863, 1.2369, 2.1425

Previews

White Background



This preview shows how the XYZ color 36.5118, 23.5024, 97.2198 looks on a white background.

Color Contrast Check

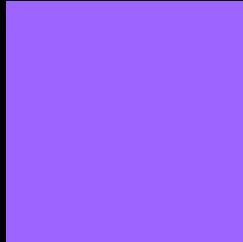
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.5118, 23.5024, 97.2198 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

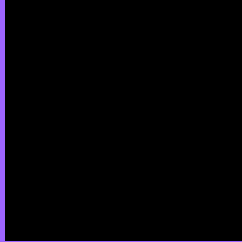
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.5118, 23.5024, 97.2198

Background



This preview shows how black text looks on a background with the XYZ color 36.5118, 23.5024, 97.2198.



This preview shows how white text looks on a background with the XYZ color 36.5118, 23.5024,

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

36.5118, 23.5024, 97.2198

Protanopia

27.7039, 23.8503, 97.7512

Deuteranopia

24.3841, 23.8403, 84.9778



Tritanopia

22.6495, 23.3611, 28.9066

Trichromacy



Original Color

36.5118, 23.5024, 97.2198



Protanomaly

29.2477, 22.6098, 97.4303



Deuteranomaly

25.2517, 21.6283, 89.2300



Tritanomaly

26.2482, 22.5146, 47.7621

Monochromacy



Original Color

36.5118, 23.5024, 97.2198



Achromatopsia

23.0288, 24.2281, 26.3844



Achromatomaly

26.4239, 23.0134, 45.6972

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.5118, 23.5024, 97.2198 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(157, 100, 255)` looks like.

```
.text, #text, p{  
    color:rgb(157, 100, 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(157, 100, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 100, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.5118, 23.5024, 97.2198 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(157, 100, 255) }
```


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

```
.border{ border-color:rgb(157, 100, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(157, 100, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 100, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 100, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 100,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.5118, 23.5024, 97.2198 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 100, 255) }
```

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

```
.background{ background-color: rgb(157,  
100, 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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