

Converting Colors

XYZ(35.5756, 23.3081, 97.2316)

Have a look what the booklet for
XYZ(35.5756, 23.3081, 97.2316)
contains.

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Color

**XYZ(35.5639, 23.3021,
97.2311)**

Conversions

Conversions Part 1

Format	Color
Hex	9766FF
RGB	151, 102, 255
RGB Percent	59%, 40%, 100%
CMY	0.4078, 0.6000, 0.0000
CMYK	0.41, 0.60, 0.00, 0.00
HSL	259°, 100%, 70%
HSV	259°, 60%, 100%
XYZ	35.5639, 23.3021, 97.2311
YIQ	134.0930, -19.9090, 57.9710

Conversions

Conversions Part 2

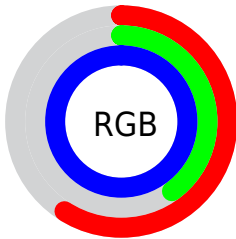
Format	Color
R_{YB}	151, 102, 255
Decimal	9922303
CIE _{Lab}	55.38, 52.62, -69.52
CIE _{LCh}	55, 87.188, 307.119
Yxy	23.3021, 0.2278, 0.1493
Android (android.graphics.Color)	4288112383 (0xFF9766FF)
YUV	134.0930, 59.6072, 14.8274
Hunter-Lab	48.2722, 47.0309, -85.6327

Details

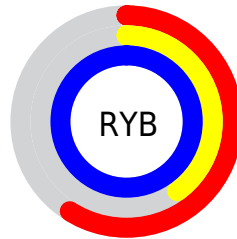
The XYZ color **35.5639, 23.3021, 97.2311** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **63.6112, 85.6007, 25.7408**, and the grayscale version is **22.4883, 23.6594, 25.7651**.

A 20% lighter version of the original color is **56.3497, 44.3643, 100.2010**, and **15.5763, 8.6230, 53.6668** is the 20% darker color. If you saturate the color by 10%, you get **30.4484, 17.4997, 96.3807**, and if you desaturate by 10%, it is **41.9247, 30.8906, 98.3605**.

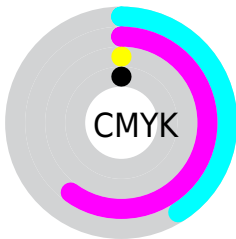
Distribution



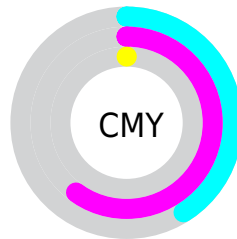
- Red (59%)
- Green (40%)
- Blue (100%)



- Red (59%)
- Yellow (40%)
- Blue (100%)



- Cyan (41%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)





- Cyan (41%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 35.5639, 23.3021, 97.2311 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 35.5639, 23.3021, 97.2311 by changing the saturation by 10% instead.


 35.5639, 23.3021,
97.2311

 35.5639, 23.3021,
97.2311


318.5150,
269.2729, 572.4490

 24.2661, 14.8167,
73.3862


 67.6867, 48.8889,
159.3654


 15.6570, 8.6909,
53.7981


 89.2424, 66.7591,
198.4918

 9.3710, 4.5401,
38.0482


 114.9482, 88.5264,
243.5492

 5.0430, 1.9800,
25.7180

 145.1694,
114.5752, 294.9561

 2.3075, 0.5958,
16.3889

180.2713,
145.2898, 353.1309

 0.7985, 0.0000,
9.6424

220.6193,

 0.0000, 0.0000,

181.0547, 418.4923

5.0600

266.5787,
222.2543, 491.4588

■ 0.0000, 0.0000,
2.2232

■ 0.0000, 0.0000,
0.6877

■ 35.5639, 23.3021,
97.2311

■ 35.5639, 23.3021,
97.2311

■ 30.4484, 17.4997,
96.3807

■ 41.9247, 30.8906,
98.3605

■ 26.4815, 13.3241,
95.7838

■ 49.6112, 40.4009,
99.7911

■ 23.5547, 10.5899,
95.4103

■ 58.6998, 51.9577,
101.5428

■ 21.5014, 8.9993,
95.2115

■ 69.2602, 65.6746,
103.6338

■ 21.5012, 8.9992,
95.2115

■ 81.3570, 81.6565,
106.0810

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.



24.5641, 23.3021, 125.3058



35.5639, 23.3021, 97.2311



44.4174, 23.3021, 52.6438

Triad

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



35.5639, 23.3021, 97.2311



30.3050, 23.3021, 1.0630



8.2259, 23.3021, 32.6582

Complementary

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



35.5639, 23.3021, 97.2311



63.6112, 85.6007, 25.7408

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.



8.9359, 23.3021, 9.6507



35.5639, 23.3021, 97.2311



19.8956, 23.3021, 0.6272

Square

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



35.5639, 23.3021, 97.2311



40.8091, 23.3021, 4.7605



12.6180, 23.3021, 2.0901



10.2714, 23.3021, 73.8064

Rectangle

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



35.5639, 23.3021, 97.2311



46.7762, 23.3021, 28.1802



12.6180, 23.3021, 2.0901



8.1634, 23.3021, 22.7569

Sweetspot

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



35.5649, 23.3028, 97.2312



71.5538, 68.6855, 104.0941



45.7338, 54.4530, 102.7078



14.6053, 13.7700, 22.1380



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.



35.5649, 23.3028, 97.2312



29.5660, 16.5395, 96.2419



54.4644, 33.0459, 98.1156



17.5506, 17.6601, 22.7337



11.3717, 4.7728, 49.7565



1.2154, 0.5205, 4.8497

Inverse Universe

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



57.1318, 35.2192, 62.1775



53.5049, 29.8120, 55.2758



47.3722, 77.2292, 24.9808



18.5306, 18.1956, 21.4113



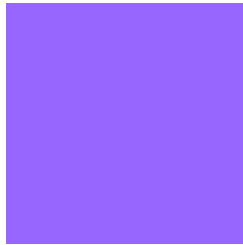
25.5778, 12.7204, 22.2248



2.5403, 1.2585, 2.4266

Previews

White Background



This preview shows how the XYZ color 35.5639, 23.3021, 97.2311 looks on a white background.

Color Contrast Check

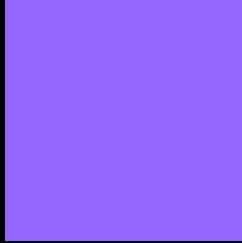
Large Text (above 18pt) WCAG AA ✓ Pass

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 35.5639, 23.3021, 97.2311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

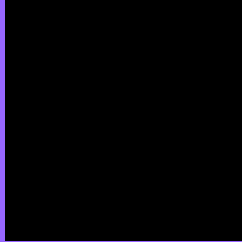
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 35.5639, 23.3021, 97.2311

Background



This preview shows how black text looks on a background with the XYZ color 35.5639, 23.3021, 97.2311.



This preview shows how white text looks on a background with the XYZ color 35.5639, 23.3021,

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

35.5639, 23.3021, 97.2311

Protanopia

27.4565, 23.5282, 97.7020

Deuteranopia

23.9500, 23.4424, 83.3833



Tritanopia

21.8790, 23.1486, 29.7005

Trichromacy



Original Color

35.5639, 23.3021, 97.2311



Protanomaly

28.9612, 22.6378, 97.4509



Deuteranomaly

24.9876, 21.5098, 88.4228



Tritanomaly

25.4428, 22.4481, 48.3393

Monochromacy



Original Color

35.5639, 23.3021, 97.2311



Achromatopsia

22.6597, 23.8398, 25.9615



Achromatomaly

25.8106, 22.7089, 45.1424

CSS Examples

Text

The CSS property to change the color of the text to XYZ 35.5639, 23.3021, 97.2311 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(151, 102, 255)` looks like.

```
.text, #text, p{  
    color:rgb(151, 102, 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(151, 102, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 102, 255) }
```

Border

The CSS property to change the border of an element to XYZ 35.5639, 23.3021, 97.2311 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(151, 102, 255) }
```


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

```
.border{ border-color:rgb(151, 102, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(151, 102, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 102, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 102, 255);  
box-shadow:4px 4px 4px 4px rgb(151, 102,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 35.5639, 23.3021, 97.2311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 102, 255) }
```

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

```
.background{ background-color: rgb(151,  
102, 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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