

Converting Colors

XYZ(37.1584, 23.0525,
102.5990)

Have a look what the booklet for
XYZ(37.1584, 23.0525, 102.5990)
contains.

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Color

**XYZ(36.0468, 22.5725,
97.0648)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 9D5FFF |
| RGB | 157, 95, 255 |
| RGB Percent | 62%, 37%, 100% |
| CMY | 0.3843, 0.6274, 0.0000 |
| CMYK | 0.38, 0.63, 0.00, 0.00 |
| HSL | 263°, 100%, 69% |
| HSV | 263°, 63%, 100% |
| XYZ | 36.0468, 22.5725, 97.0648 |
| YIQ | 131.7780, -14.4080, 62.9040 |

Conversions

Conversions Part 2

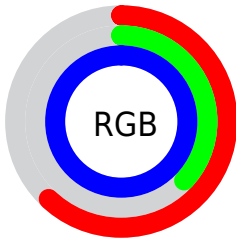
| Format | Color |
|-------------------------------------|-------------------------------|
| R _Y B | 157, 95, 255 |
| Decimal | 10313727 |
| CIE Lab | 54.63, 57.48, -70.71 |
| CIE LCh | 55, 91.128, 309.109 |
| Yxy | 22.5725, 0.2315, 0.1450 |
| Android (android.graphics.Color) | 4288503807 (0xFF9D5FFF) |
| YUV | 131.7780, 60.7484, 22.1197 |
| Hunter-Lab | 47.5105, 52.2867, -87.8731 |

Details

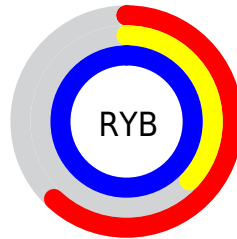
The XYZ color **36.0468, 22.5725, 97.0648** is a light color, and the websafe version is hex **9966FF**. The color can be described as light muted purple. A complement of this color would be **59.8173, 83.6834, 23.8267**, and the grayscale version is **21.6454, 22.7726, 24.7994**.

A 20% lighter version of the original color is **57.2552, 43.1515, 99.9191**, and **15.9789, 8.3556, 53.5939** is the 20% darker color. If you saturate the color by 10%, you get **31.2593, 17.2348, 96.2868**, and if you desaturate by 10%, it is **41.9771, 29.6152, 98.1116**.

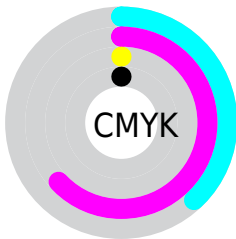
Distribution



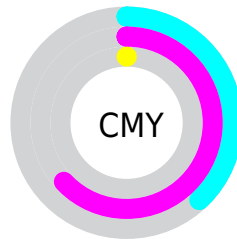
- Red (62%)
- Green (37%)
- Blue (100%)



- Red (62%)
- Yellow (37%)
- Blue (100%)



- Cyan (38%)
- Magenta (63%)
- Yellow (0%)
- Black (0%)





- Cyan (38%)
- Magenta (63%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.0468, 22.5725, 97.0648 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 36.0468, 22.5725, 97.0648 by changing the saturation by 10% instead.

 36.0468, 22.5725,
97.0648


 36.0468, 22.5725,
97.0648


320.5927,
265.5216, 571.9066

 24.6406, 14.2782,
73.2483


 68.4277, 47.6904,
159.1342


 15.9368, 8.3144,
53.6860


 90.1331, 65.2828,
198.2242

 9.5700, 4.2968,
37.9592


 116.0023, 86.7433,
243.2424

 5.1749, 1.8409,
25.6494

 146.4007,
112.4563, 294.6075

 2.3860, 0.5125,
16.3382

181.6936,
142.8063, 352.7379

 0.8382, 0.0000,
9.6068

222.2463,

 0.0000, 0.0000,

178.1775, 418.0522

5.0369

268.4242,
218.9545, 490.9689

■ 0.0000, 0.0000,
2.2098

■ 0.0000, 0.0000,
0.6800

■ 36.0468, 22.5725,
97.0648

■ 36.0468, 22.5725,
97.0648

■ 31.2593, 17.2348,
96.2868

■ 41.9771, 29.6152,
98.1116

■ 27.5207, 13.4395,
95.7513

■ 49.1275, 38.5002,
99.4497

■ 24.7235, 10.9936,
95.4267

■ 57.5710, 49.3531,
101.0995

■ 23.1757, 9.8624,
95.2899

■ 67.3738, 62.2874,
103.0794

■ 78.5972, 77.4078,
105.4064

■ 91.2985, 94.8119,
108.0963

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.



24.6515, 22.5725, 129.2298



36.0468, 22.5725, 97.0648



44.9571, 22.5725, 49.9704

Triad

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



36.0468, 22.5725, 97.0648



29.0840, 22.5725, 0.6328



7.4998, 22.5725, 34.3888

Complementary

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



36.0468, 22.5725, 97.0648



59.8173, 83.6834, 23.8267

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.



8.0193, 22.5725, 9.6855



36.0468, 22.5725, 97.0648



18.5466, 22.5725, 0.2943

Square

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



36.0468, 22.5725, 97.0648



40.1451, 22.5725, 3.6167



11.4517, 22.5725, 1.8122



9.7084, 22.5725, 78.3986

Rectangle

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



36.0468, 22.5725, 97.0648



47.0592, 22.5725, 25.4455



11.4517, 22.5725, 1.8122



7.3810, 22.5725, 23.7297

Sweetspot

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



36.0478, 22.5732, 97.0649



71.4068, 67.6878, 103.9092



41.9873, 48.0886, 101.6768



14.6207, 13.5990, 22.1042



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.



36.0478, 22.5732, 97.0649



30.3279, 16.2503, 96.1459



56.8453, 33.2947, 98.0382



17.6686, 17.7209, 22.7392



12.2643, 5.2329, 49.7982



1.3120, 0.5703, 4.8542

Inverse Universe

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



54.9577, 33.2948, 53.9806



51.3882, 28.2302, 46.3958



44.7220, 75.9014, 23.1202



18.4769, 18.1741, 21.1286



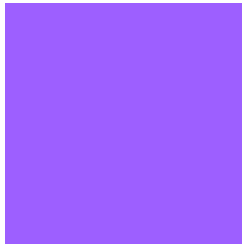
24.7677, 12.3964, 17.9592



2.4651, 1.2284, 2.0306

Previews

White Background



This preview shows how the XYZ color 36.0468, 22.5725, 97.0648 looks on a white background.

Color Contrast Check

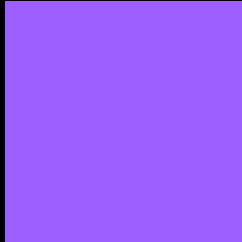
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.0468, 22.5725, 97.0648 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

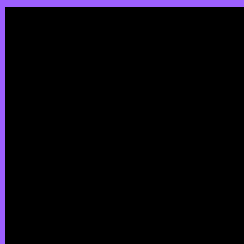
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.0468, 22.5725, 97.0648

Background



This preview shows how black text looks on a background with the XYZ color 36.0468, 22.5725, 97.0648.



This preview shows how white text looks on a background with the XYZ color 36.0468, 22.5725,

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

36.0468, 22.5725, 97.0648

Protanopia

26.8262, 22.8198, 97.5985

Deuteranopia

23.2388, 22.7156, 81.0016



Tritanopia

22.0262, 22.4701, 27.6024

Trichromacy



Original Color

36.0468, 22.5725, 97.0648



Protanomaly

28.3006, 21.6053, 97.2864



Deuteranomaly

24.3112, 20.4743, 86.6750



Tritanomaly

25.6863, 21.7215, 46.5549

Monochromacy



Original Color

36.0468, 22.5725, 97.0648



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

25.5171, 22.0307, 44.5024

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.0468, 22.5725, 97.0648 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, 95, 255)` looks like.

```
.text, #text, p{  
  color:rgb(157, 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(157, 95, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 95, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.0468, 22.5725, 97.0648 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, 95, 255) }
```


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

```
.border{ border-color:rgb(157, 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(157, 95, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 95, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 95, 255);  
box-shadow:4px 4px 4px 4px rgb(157, 95,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.0468, 22.5725, 97.0648 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 95, 255) }
```

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

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