

Converting Colors

XYZ(44.8756, 28.6805,
142.5873)

Have a look what the booklet for
XYZ(44.8756, 28.6805, 142.5873)
contains.

XYZ(36.2386, 25.1979, 97.5614)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(36.2386, 25.1979,
97.5614)**

Conversions

Conversions Part 1

Format	Color
Hex	9570FF
RGB	149, 112, 255
RGB Percent	58%, 44%, 100%
CMY	0.4157, 0.5608, 0.0000
CMYK	0.42, 0.56, 0.00, 0.00
HSL	256°, 100%, 72%
HSV	256°, 56%, 100%
XYZ	36.2386, 25.1979, 97.5614
YIQ	139.3650, -23.8510, 52.3170

Conversions

Conversions Part 2

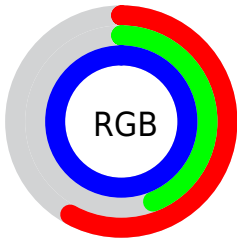
Format	Color
R_{YB}	149, 112, 255
Decimal	9793791
CIE _{Lab}	57.27, 46.75, -66.49
CIE _{LCh}	57, 81.281, 305.113
Yxy	25.1979, 0.2279, 0.1585
Android (android.graphics.Color)	4287983871 (0xFF9570FF)
YUV	139.3650, 57.0081, 8.4499
Hunter-Lab	50.1975, 41.0171, -80.0949

Details

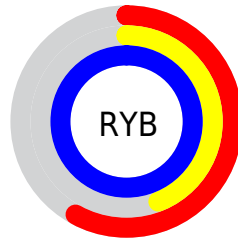
The XYZ color **36.2386, 25.1979, 97.5614** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **67.5972, 87.5948, 28.6745**, and the grayscale version is **24.4758, 25.7505, 28.0423**.

A 20% lighter version of the original color is **57.5176, 47.5402, 100.7524**, and **16.0171, 9.6501, 53.8418** is the 20% darker color. If you saturate the color by 10%, you get **30.6398, 18.7100, 96.6042**, and if you desaturate by 10%, it is **43.1956, 33.5688, 98.8105**.

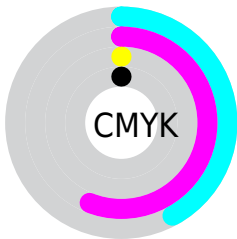
Distribution



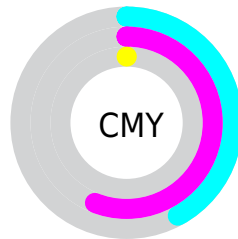
- Red (58%)
- Green (44%)
- Blue (100%)



- Red (58%)
- Yellow (44%)
- Blue (100%)



- Cyan (42%)
- Magenta (56%)
- Yellow (0%)
- Black (0%)




- Cyan (42%)
- Magenta (56%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.2386, 25.1979, 97.5614 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 36.2386, 25.1979, 97.5614 by changing the saturation by 10% instead.

 36.2386, 25.1979,
97.5614


 36.2386, 25.1979,
97.5614

321.4153,
278.8221, 573.5254


 24.7895, 16.2246,
73.6600


 68.7216, 51.9781,
159.8245


 16.0482, 9.6832,
54.0207


 90.4863, 70.5537,
199.0232

 9.6493, 5.1894,
38.2249


 116.4202, 93.0989,
244.1582

 5.2275, 2.3588,
25.8541

 146.8886,
119.9981, 295.6480

 2.4175, 0.8046,
16.4898

182.2570,
151.6356, 353.9110

 0.8538, 0.0000,
9.7133

222.8907,

 0.0000, 0.0000,

188.3958, 419.3659

5.1062

269.1550,
230.6632, 492.4312

■ 0.0000, 0.0000,
2.2499

■ 0.0000, 0.0000,
0.7029

■ 36.2386, 25.1979,
97.5614

■ 36.2386, 25.1979,
97.5614

■ 30.6398, 18.7100,
96.6042

■ 43.1956, 33.5688,
98.8105

■ 26.2998, 13.9503,
95.9143

■ 51.5940, 43.9555,
100.3727

■ 23.1096, 10.7426,
95.4633

■ 61.5135, 56.4814,
102.2676

■ 20.9365, 8.8692,
95.2162

■ 73.0271, 71.2590,
104.5132

■ 20.2958, 8.3777,
95.1551

■ 86.2027, 88.3931,
107.1259

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.



25.6359, 25.1979, 121.2126



36.2386, 25.1979, 97.5614



44.9460, 25.1979, 56.3030

Triad

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



36.2386, 25.1979, 97.5614



32.6052, 25.1979, 1.9797



9.8494, 25.1979, 32.4317

Complementary

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



36.2386, 25.1979, 97.5614



67.5972, 87.5948, 28.6745

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.



10.7866, 25.1979, 10.6391



36.2386, 25.1979, 97.5614



22.3394, 25.1979, 1.2708

Square

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



36.2386, 25.1979, 97.5614



42.4850, 25.1979, 6.8573



14.8103, 25.1979, 2.9156



11.7842, 25.1979, 70.5629

Rectangle

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



36.2386, 25.1979, 97.5614



47.5034, 25.1979, 32.1999



14.8103, 25.1979, 2.9156



9.8459, 25.1979, 23.1672

Sweetspot

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



36.2396, 25.1987, 97.5615



71.8967, 69.7991, 104.2910



50.1292, 61.4586, 103.8284



14.8722, 14.2739, 22.2212



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.



36.2396, 25.1987, 97.5615



30.1883, 18.2011, 96.5298



53.1332, 33.9076, 98.3521



17.4436, 17.6049, 22.7287



10.7219, 4.4378, 49.7261



1.1406, 0.4819, 4.8462

Inverse Universe

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



59.6888, 37.9105, 70.4990



56.1535, 32.3166, 64.7681



50.8525, 78.9626, 27.8908



18.5801, 18.2154, 21.6720



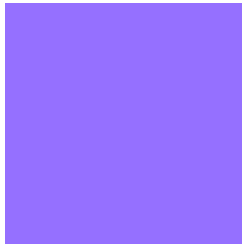
26.4133, 13.0546, 26.6249



2.6164, 1.2889, 2.8271

Previews

White Background



This preview shows how the XYZ color 36.2386, 25.1979, 97.5614 looks on a white background.

Color Contrast Check

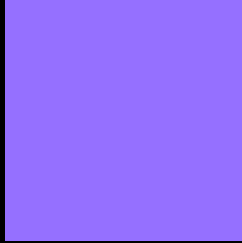
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.2386, 25.1979, 97.5614 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

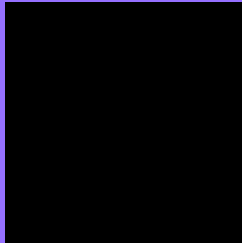
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.2386, 25.1979, 97.5614

Background



This preview shows how black text looks on a background with the XYZ color 36.2386, 25.1979, 97.5614.



This preview shows how white text looks on a background with the XYZ color 36.2386, 25.1979,

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

36.2386, 25.1979, 97.5614

Protanopia

29.1852, 25.4115, 97.9744

Deuteranopia

26.3214, 25.5335, 92.3481



Tritanopia

23.1307, 24.9847, 32.8816

Trichromacy



Original Color

36.2386, 25.1979, 97.5614

Protanomaly

30.7504, 24.6539, 97.7457

Deuteranomaly

26.9165, 23.7146, 94.4255

Tritanomaly

26.7084, 24.3612, 51.4386

Monochromacy



Original Color

36.2386, 25.1979, 97.5614

Achromatopsia

24.5403, 25.8183, 28.1161

Achromatomaly

27.5184, 24.8763, 47.0673

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.2386, 25.1979, 97.5614 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(149, 112, 255)` looks like.

```
.text, #text, p{  
    color:rgb(149, 112, 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(149, 112, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 112, 255) }
```

Border

The CSS property to change the border of an element to XYZ 36.2386, 25.1979, 97.5614 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(149, 112, 255) }
```


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

```
.border{ border-color:rgb(149, 112, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 112, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 112, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 112, 255);  
box-shadow:4px 4px 4px 4px rgb(149, 112,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 36.2386, 25.1979, 97.5614 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 112, 255) }
```

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

```
.background{ background-color: rgb(149,  
112, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor