

# Converting Colors

XYZ(36.1505, 25.5694, 86.7379)

Have a look what the booklet for  
XYZ(36.1505, 25.5694, 86.7379)  
contains.

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# Color

**XYZ(36.2302, 25.5920,  
87.0346)**

# Conversions

## Conversions Part 1

Format	Color
Hex	9F71F2
RGB	159, 113, 242
RGB Percent	62%, 44%, 95%
CMY	0.3765, 0.5569, 0.0510
CMYK	0.34, 0.53, 0.00, 0.05
HSL	261°, 83%, 70%
HSV	261°, 53%, 95%
XYZ	36.2302, 25.5920, 87.0346
YIQ	141.4600, -13.9930, 49.8710

# Conversions

## Conversions Part 2

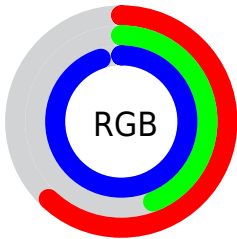
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	159, 113, 242
Decimal	10449394
CIE <sub>Lab</sub>	57.65, 45.09, -58.63
CIE <sub>LCh</sub>	58, 73.964, 307.558
Y <sub>xy</sub>	25.5920, 0.2434, 0.1719
Android (android.graphics.Color)	4288639474 (0xFF9F71F2)
YUV	141.4600, 49.5662, 15.3826
Hunter-Lab	50.5885, 39.3071, -66.5930

# Details

The XYZ color **36.2302, 25.5920, 87.0346** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **57.4979, 76.4326, 27.3460**, and the grayscale version is **25.3142, 26.6325, 29.0028**.

A 20% lighter version of the original color is **60.3015, 49.2441, 100.9346**, and **16.0140, 9.8826, 46.9624** is the 20% darker color. If you saturate the color by 10%, you get **30.9859, 19.4011, 86.1165**, and if you desaturate by 10%, it is **42.5853, 33.4245, 88.2120**.

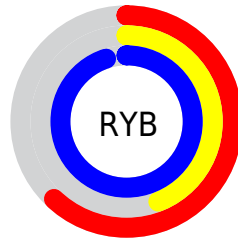
# Distribution



Red (62%)

Green (44%)

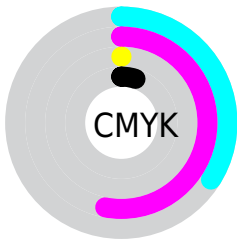
Blue (95%)



Red (62%)

Yellow (44%)

Blue (95%)

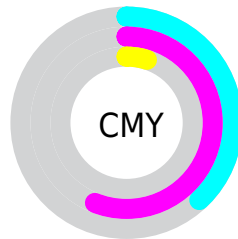


Cyan (34%)

Magenta (53%)

Yellow (0%)

Black (5%)



Cyan (38%)

Magenta (56%)


Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 36.2302, 25.5920, 87.0346 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 36.2302, 25.5920, 87.0346 by changing the saturation by 10% instead.




 36.2302, 25.5920,  
87.0346

 36.2302, 25.5920,  
87.0346

321.3793,  
280.7734, 538.6557


 24.7830, 16.5187,  
64.9641


 68.7088, 52.6160,  
145.1117

 16.0433, 9.8919,  
46.9808


 90.4708, 71.3355,  
181.9553

 9.6458, 5.3273,  
32.6662


 116.4019, 94.0391,  
224.5603

 5.2252, 2.4406,  
21.6018

 146.8673,  
121.1113, 273.3453

 2.4161, 0.8467,  
13.3691

182.2323,  
152.9364, 328.7288

 0.8532, 0.0000,  
7.5495

222.8625,

 0.0000, 0.0000,

189.8989, 391.1293

3.7245

269.1230,  
232.3831, 460.9654

■ 0.0000, 0.0000,  
1.4754

■ 0.0000, 0.0000,  
0.1995

■ 36.2302, 25.5920,  
87.0346

■ 36.2302, 25.5920,  
87.0346

■ 30.9859, 19.4011,  
86.1165

■ 42.5853, 33.4245,  
88.2120

■ 26.7761, 14.7245,  
85.4357

■ 50.1136, 43.0072,  
89.6648

■ 23.5189, 11.4197,  
84.9695

■ 58.8767, 54.4424,  
91.4102

■ 21.1157, 9.3136,  
84.6897

■ 68.9305, 67.8235,  
93.4631

■ 19.8924, 8.4035,  
84.5785

■ 80.3273, 83.2376,  
95.8376

■ 92.0861, 98.7057,  
98.2035

■ 93.0271, 99.1908,  
98.2476

# Harmonies

## Analogous

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



26.6300, 25.5920, 109.3737



36.2302, 25.5920, 87.0346



43.6663, 25.5920, 50.8938

# Triad

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



36.2302, 25.5920, 87.0346



31.4095, 25.5920, 2.7411



11.0629, 25.5920, 34.7734

# Complementary

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



36.2302, 25.5920, 87.0346



57.4979, 76.4326, 27.3460

# 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.



11.7509, 25.5920, 13.1037



36.2302, 25.5920, 87.0346



22.1559, 25.5920, 2.1026

# Square

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



36.2302, 25.5920, 87.0346



40.4457, 25.5920, 7.4750



15.3626, 25.5920, 4.3450



13.1822, 25.5920, 69.3338



# Rectangle

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



36.2302, 25.5920, 87.0346



45.5726, 25.5920, 29.9919



15.3626, 25.5920, 4.3450



10.9849, 25.5920, 25.8418

# Sweetspot

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



36.2313, 25.5929, 87.0352



74.3804, 72.0313, 104.5909



42.7700, 49.7867, 91.3605



15.4122, 14.7398, 22.2827



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.



36.2313, 25.5929, 87.0352



34.4371, 21.3235, 96.9086



52.2565, 33.8542, 87.7852



15.4292, 15.5030, 19.9008



10.8212, 4.5839, 45.4423



1.0049, 0.4353, 3.7853



# Inverse Universe

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



52.4873, 34.6736, 56.1505



55.1053, 32.9018, 56.1510



44.3040, 69.6309, 26.7285



16.2011, 15.9301, 18.6149



22.9491, 11.4521, 18.1803

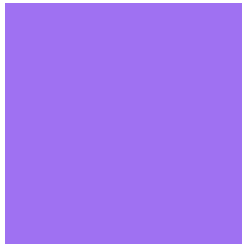


1.9564, 0.9716, 1.7611



# Previews

## White Background



This preview shows how the XYZ color 36.2302, 25.5920, 87.0346 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

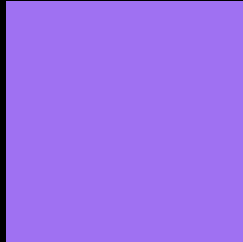
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 36.2302, 25.5920, 87.0346 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

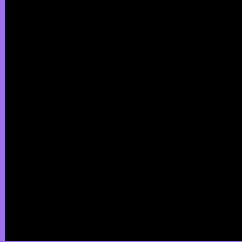
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 36.2302, 25.5920, 87.0346**

## **Background**



This preview shows how black text looks on a background with the XYZ color 36.2302, 25.5920, 87.0346.



This preview shows how white text looks on a background with the XYZ color 36.2302, 25.5920,



# 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

36.2302, 25.5920, 87.0346

### Protanopia

29.7745, 26.1257, 98.0812

### Deuteranopia

26.7652, 25.9705, 82.9590



## Tritanopia

25.1062, 25.6049, 31.6360

# Trichromacy



## Original Color

36.2302, 25.5920, 87.0346



## Protanomaly

30.9081, 25.2067, 93.6788



## Deuteranomaly

28.6708, 24.8476, 84.1739



## Tritanomaly

28.1953, 25.0188, 47.5990

# Monochromacy



## Original Color

36.2302, 25.5920, 87.0346



## Achromatopsia

25.3171, 26.6356, 29.0061



## Achromatomaly

28.3649, 25.7429, 45.5934

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 36.2302, 25.5920, 87.0346 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(159, 113, 242)` looks like.

```
.text, #text, p{  
    color:rgb(159, 113, 242)  
}
```

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(159, 113, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(159, 113, 242) }
```

## Border

The CSS property to change the border of an element to XYZ 36.2302, 25.5920, 87.0346 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".

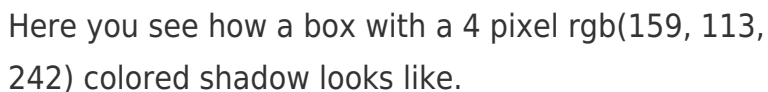
```
.border, #border, table{ border:4px solid rgb(159, 113, 242) }
```



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

```
.border{ border-color:rgb(159, 113, 242) }
```

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



Here you see how a box with a 4 pixel `rgb(159, 113, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(159, 113, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(159, 113, 242);  
box-shadow:4px 4px 4px 4px rgb(159, 113,  
242) }
```

# Background

The CSS property to change the background color of an element to XYZ 36.2302, 25.5920, 87.0346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(159, 113, 242) }
```

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

```
.background{ background-color: rgb(159,  
113, 242) }
```

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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