

Converting Colors

XYZ(36.8721, 25.7408, 87.8191)

Have a look what the booklet for
XYZ(36.8721, 25.7408, 87.8191)
contains.

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Color

**XYZ(36.8721, 25.7408,
87.8191)**

Conversions

Conversions Part 1

Format	Color
Hex	A270F3
RGB	162, 112, 243
RGB Percent	64%, 44%, 95%
CMY	0.3647, 0.5608, 0.0471
CMYK	0.33, 0.54, 0.00, 0.05
HSL	263°, 85%, 70%
HSV	263°, 54%, 95%
XYZ	36.8721, 25.7408, 87.8191
YIQ	141.8840, -12.2510, 51.3410

Conversions

Conversions Part 2

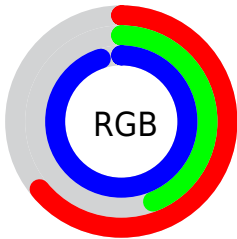
Format	Color
R _Y B	162, 112, 243
Decimal	10645747
CIE _{Lab}	57.79, 46.60, -58.94
CIE _{LCh}	58, 75.140, 308.329
Y _{xy}	25.7408, 0.2451, 0.1711
Android (android.graphics.Color)	4288835827 (0xFFA270F3)
Y _{UV}	141.8840, 49.8502, 17.6417
Hunter-Lab	50.7354, 40.9385, -67.1117

Details

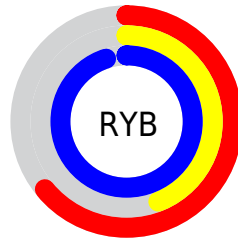
The XYZ color **36.8721, 25.7408, 87.8191** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **56.9678, 76.6089, 27.1144**, and the grayscale version is **25.4791, 26.8060, 29.1917**.

A 20% lighter version of the original color is **61.0203, 49.3459, 100.9163**, and **16.4112, 9.9937, 47.5184** is the 20% darker color. If you saturate the color by 10%, you get **31.6719, 19.6029, 86.9089**, and if you desaturate by 10%, it is **43.1625, 33.5152, 88.9887**.

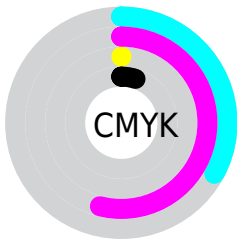
Distribution



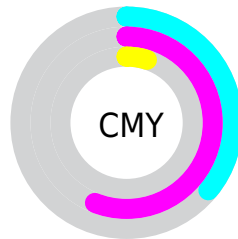
- Red (64%)
- Green (44%)
- Blue (95%)



- Red (64%)
- Yellow (44%)
- Blue (95%)



- Cyan (33%)
- Magenta (54%)
- Yellow (0%)
- Black (5%)



- Cyan (36%)
- Magenta (56%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.8721, 25.7408, 87.8191 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 36.8721, 25.7408, 87.8191 by changing the saturation by 10% instead.

36.8721, 25.7408,
87.8191

36.8721, 25.7408,
87.8191

324.1216,
281.5074, 541.2966

25.2817, 16.6298,
65.6098

69.6911, 52.8565,
146.2142

16.4169, 9.9709,
47.5012

91.6505, 71.6300,
183.2371

9.9124, 5.3797,
33.0749

117.7969, 94.3932,
226.0349

5.4027, 2.4717,
21.9122

148.4956,
121.5304, 275.0261

2.5226, 0.8624,
13.5947

184.1121,
153.4260, 330.6294

0.9067, 0.0000,
7.7038

225.0117,

0.0000, 0.0000,

190.4644, 393.2632

3.8210

271.5598,
233.0301, 463.3461

■ 0.0000, 0.0000,
1.5277

■ 0.0000, 0.0000,
0.2384

■ 36.8721, 25.7408,
87.8191

■ 36.8721, 25.7408,
87.8191

■ 31.6719, 19.6029,
86.9089

■ 43.1625, 33.5152,
88.9887

■ 27.4861, 14.9726,
86.2358

■ 50.6050, 43.0356,
90.4340

■ 24.2332, 11.7058,
85.7767

■ 59.2603, 54.4050,
92.1724

■ 21.8144, 9.6263,
85.5028

■ 69.1838, 67.7175,
94.2189

■ 20.6668, 8.7853,
85.4010

■ 80.4270, 83.0606,
96.5878

■ 92.1381, 98.7151,
98.9922

■ 93.1778, 99.2511,
99.0409

Harmonies

Analogous

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



27.0647, 25.7408, 111.4701



36.8721, 25.7408, 87.8191



44.3767, 25.7408, 50.6553

Triad

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



36.8721, 25.7408, 87.8191



31.4437, 25.7408, 2.5734



11.0070, 25.7408, 35.8542

Complementary

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



36.8721, 25.7408, 87.8191



56.9678, 76.6089, 27.1144

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.



11.6306, 25.7408, 13.3982



36.8721, 25.7408, 87.8191



22.0390, 25.7408, 2.0122

Square

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



36.8721, 25.7408, 87.8191



40.7447, 25.7408, 7.1329



15.2107, 25.7408, 4.3327



13.2287, 25.7408, 71.4833

Rectangle

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



36.8721, 25.7408, 87.8191



46.2132, 25.7408, 29.5002



15.2107, 25.7408, 4.3327



10.9043, 25.7408, 26.6043

Sweetspot

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



36.8732, 25.7417, 87.8197



74.7075, 72.1999, 104.6062



42.3681, 48.9319, 92.0063



15.4897, 14.7797, 22.2863



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.



36.8732, 25.7417, 87.8197



34.6888, 21.1317, 96.8583



53.1903, 34.1535, 88.5834



16.1790, 16.2349, 20.8235



11.4812, 4.8931, 46.8774



1.1198, 0.4871, 4.1252

Inverse Universe

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



52.3824, 34.4939, 54.3490



54.3183, 32.2405, 53.0752



44.1002, 69.9754, 26.5122



16.9299, 16.6548, 19.3773



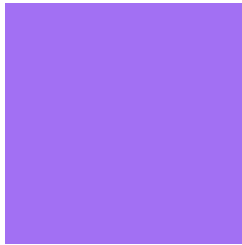
23.3863, 11.6980, 17.2746



2.1054, 1.0481, 1.7816

Previews

White Background



This preview shows how the XYZ color 36.8721, 25.7408, 87.8191 looks on a white background.

Color Contrast Check

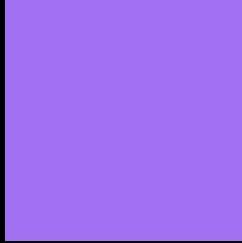
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.8721, 25.7408, 87.8191 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

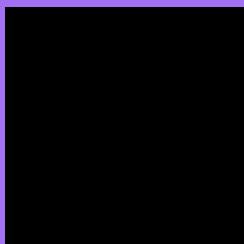
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.8721, 25.7408, 87.8191

Background



This preview shows how black text looks on a background with the XYZ color 36.8721, 25.7408, 87.8191.



This preview shows how white text looks on a background with the XYZ color 36.8721, 25.7408,

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

36.8721, 25.7408, 87.8191

Protanopia

29.7745, 26.1257, 98.0812

Deuteranopia

26.9109, 26.0288, 83.7265



Tritanopia

25.3983, 25.5545, 31.1976

Trichromacy



Original Color

36.8721, 25.7408, 87.8191



Protanomaly

31.1863, 25.3319, 94.5126



Deuteranomaly

28.9294, 24.9640, 84.9551



Tritanomaly

28.6105, 25.0402, 47.5813

Monochromacy



Original Color

36.8721, 25.7408, 87.8191



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.6474, 25.8768, 46.1327

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.8721, 25.7408, 87.8191 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(162, 112, 243)` looks like.

```
.text, #text, p{  
    color:rgb(162, 112, 243)  
}
```

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(162, 112, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 112, 243) }
```

Border

The CSS property to change the border of an element to XYZ 36.8721, 25.7408, 87.8191 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(162, 112, 243) }
```


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

```
.border{ border-color:rgb(162, 112, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 112, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 112, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 112, 243);  
box-shadow:4px 4px 4px 4px rgb(162, 112,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 36.8721, 25.7408, 87.8191 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 112, 243) }
```

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

```
.background{ background-color: rgb(162,  
112, 243) }
```

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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