

Converting Colors

XYZ(36.6992, 25.8345, 87.0580)

Have a look what the booklet for
XYZ(36.6992, 25.8345, 87.0580)
contains.

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Color

**XYZ(36.6301, 25.7981,
87.0533)**

Conversions

Conversions Part 1

Format	Color
Hex	A171F2
RGB	161, 113, 242
RGB Percent	63%, 44%, 95%
CMY	0.3686, 0.5569, 0.0510
CMYK	0.33, 0.53, 0.00, 0.05
HSL	262°, 83%, 70%
HSV	262°, 53%, 95%
XYZ	36.6301, 25.7981, 87.0533
YIQ	142.0580, -12.8010, 50.2950

Conversions

Conversions Part 2

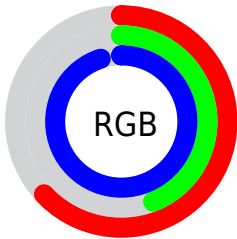
Format	Color
R_{YB}	161, 113, 242
Decimal	10580466
CIE _{Lab}	57.84, 45.56, -58.31
CIE _{LCh}	58, 73.999, 308.006
Yxy	25.7981, 0.2450, 0.1726
Android (android.graphics.Color)	4288770546 (0xFFA171F2)
YUV	142.0580, 49.2714, 16.6121
Hunter-Lab	50.7918, 39.8451, -66.0642

Details

The XYZ color **36.6301, 25.7981, 87.0533** is a light color, and the websafe version is hex **9966FF**. A complement of this color would be **56.9809, 76.1661, 27.3217**, and the grayscale version is **25.5499, 26.8805, 29.2729**.

A 20% lighter version of the original color is **60.8996, 49.5525, 100.9626**, and **16.2434, 10.0009, 46.9732** is the 20% darker color. If you saturate the color by 10%, you get **31.4031, 19.6162, 86.1361**, and if you desaturate by 10%, it is **42.9510, 33.6130, 88.2291**.

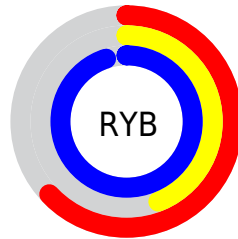
Distribution



Red (63%)

Green (44%)

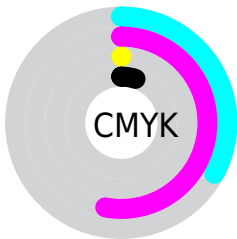
Blue (95%)



Red (63%)

Yellow (44%)

Blue (95%)

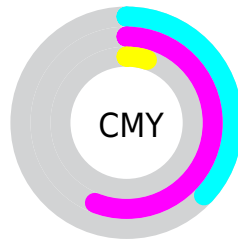


Cyan (33%)

Magenta (53%)

Yellow (0%)

Black (5%)



Cyan (37%)

Magenta (56%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 36.6301, 25.7981, 87.0533 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 36.6301, 25.7981, 87.0533 by changing the saturation by 10% instead.

36.6301, 25.7981,
87.0533

36.6301, 25.7981,
87.0533

323.0897,
281.7896, 538.7188

25.0936, 16.6727,
64.9794

69.3210, 52.9491,
145.1380

16.2759, 10.0014,
46.9932

91.2062, 71.7434,
181.9858

9.8117, 5.3999,
32.6759

117.2716, 94.5294,
224.5954

5.3356, 2.4837,
21.6092

147.8826,
121.6916, 273.3854

2.4822, 0.8685,
13.3745

183.4045,
153.6143, 328.7741

0.8863, 0.0000,
7.5532

224.2028,

0.0000, 0.0000,

190.6819, 391.1802

3.7267

270.6427,
233.2789, 461.0223

■ 0.0000, 0.0000,
1.4767

■ 0.0000, 0.0000,
0.2005

■ 36.6301, 25.7981,
87.0533

■ 36.6301, 25.7981,
87.0533

■ 31.4031, 19.6162,
86.1361

■ 42.9510, 33.6130,
88.2291

■ 27.1950, 14.9404,
85.4553

■ 50.4274, 43.1689,
89.6795

■ 23.9250, 11.6290,
84.9885

■ 59.1197, 54.5675,
91.4215

■ 21.4957, 9.5095,
84.7075

■ 69.0829, 67.9020,
93.4702

■ 20.2485, 8.5871,
84.5951

■ 80.3685, 83.2587,
95.8395

■ 91.9949, 98.6587,
98.1993

■ 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.



26.9803, 25.7981, 109.8603



36.6301, 25.7981, 87.0533



44.0414, 25.7981, 50.7145

Triad

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



36.6301, 25.7981, 87.0533



31.4988, 25.7981, 2.7536



11.1848, 25.7981, 35.4787

Complementary

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



36.6301, 25.7981, 87.0533



56.9809, 76.1661, 27.3217

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.



11.8358, 25.7981, 13.4501



36.6301, 25.7981, 87.0533



22.2146, 25.7981, 2.1480

Square

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



36.6301, 25.7981, 87.0533



40.6147, 25.7981, 7.4370



15.4254, 25.7981, 4.4734



13.3628, 25.7981, 70.3286

Rectangle

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



36.6301, 25.7981, 87.0533



45.8904, 25.7981, 29.8283



15.4254, 25.7981, 4.4734



11.0924, 25.7981, 26.4201

Sweetspot

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



36.6312, 25.7990, 87.0539



74.5824, 72.1354, 104.6003



42.2856, 48.8181, 91.1990



15.4601, 14.7644, 22.2849



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.



36.6312, 25.7990, 87.0539



34.9079, 21.5662, 96.9306



52.9217, 34.1971, 87.8163



15.4529, 15.5152, 19.9019



11.0161, 4.6844, 45.4514



1.0229, 0.4446, 3.7861

Inverse Universe

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



52.2610, 34.5831, 54.9590



54.8180, 32.7869, 54.6383



43.9700, 69.4587, 26.7128



16.1903, 15.9258, 18.5583



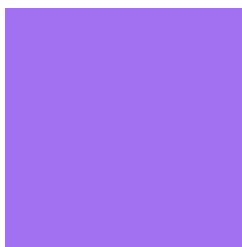
22.7822, 11.3853, 17.3012



1.9432, 0.9663, 1.6917

Previews

White Background



This preview shows how the XYZ color 36.6301, 25.7981, 87.0533 looks on a white background.

Color Contrast Check

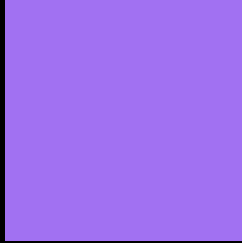
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.6301, 25.7981, 87.0533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

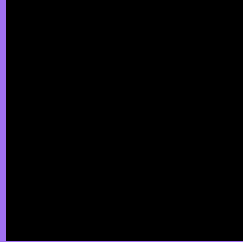
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.6301, 25.7981, 87.0533

Background



This preview shows how black text looks on a background with the XYZ color 36.6301, 25.7981, 87.0533.



This preview shows how white text looks on a background with the XYZ color 36.6301, 25.7981,

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

36.6301, 25.7981, 87.0533

Protanopia

29.8559, 26.1676, 98.0850

Deuteranopia

26.9023, 26.0412, 82.9654



Tritanopia

25.4463, 25.7802, 31.6519

Trichromacy



Original Color

36.6301, 25.7981, 87.0533



Protanomaly

31.0290, 25.2690, 93.6845



Deuteranomaly

28.8947, 24.9631, 84.1844



Tritanomaly

28.5571, 25.2053, 47.6160

Monochromacy



Original Color

36.6301, 25.7981, 87.0533



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

28.5466, 25.8365, 45.6019

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.6301, 25.7981, 87.0533 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(161, 113, 242)` looks like.

```
.text, #text, p{  
    color:rgb(161, 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(161, 113, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 113, 242) }
```

Border

The CSS property to change the border of an element to XYZ 36.6301, 25.7981, 87.0533 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(161, 113, 242) }
```


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

```
.border{ border-color:rgb(161, 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(161, 113, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 113, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 113, 242);  
box-shadow:4px 4px 4px 4px rgb(161, 113,  
242) }
```

Background

The CSS property to change the background color of an element to XYZ 36.6301, 25.7981, 87.0533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 113, 242) }
```

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

```
.background{ background-color: rgb(161,  
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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