

Converting Colors

XYZ(37.0083, 25.8341, 77.5026)

Have a look what the booklet for
XYZ(37.0083, 25.8341, 77.5026)
contains.

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Color

**XYZ(37.0609, 25.9103,
77.1766)**

Conversions

Conversions Part 1

Format	Color
Hex	AD6FE5
RGB	173, 111, 229
RGB Percent	68%, 44%, 90%
CMY	0.3216, 0.5647, 0.1020
CMYK	0.24, 0.52, 0.00, 0.10
HSL	272°, 69%, 67%
HSV	272°, 52%, 90%
XYZ	37.0609, 25.9103, 77.1766
YIQ	142.9900, -0.9260, 49.8420

Conversions

Conversions Part 2

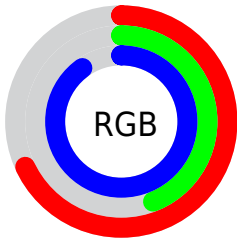
Format	Color
R_{YB}	173, 111, 229
Decimal	11366373
CIE _{Lab}	57.95, 46.52, -50.82
CIE _{LCh}	58, 68.900, 312.474
Yxy	25.9103, 0.2644, 0.1849
Android (android.graphics.Color)	4289556453 (0xFFAD6FE5)
YUV	142.9900, 42.4029, 26.3188
Hunter-Lab	50.9022, 40.8837, -54.2625

Details

The XYZ color **37.0609, 25.9103, 77.1766** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **46.8255, 65.4023, 25.1958**, and the grayscale version is **25.9419, 27.2929, 29.7220**.

A 20% lighter version of the original color is **64.2805, 50.7598, 101.0174**, and **16.4948, 10.0308, 40.6019** is the 20% darker color. If you saturate the color by 10%, you get **32.5689, 20.3491, 76.3404**, and if you desaturate by 10%, it is **42.3908, 32.8550, 78.2366**.

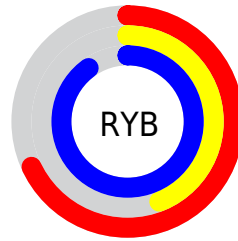
Distribution



Red (68%)

Green (44%)

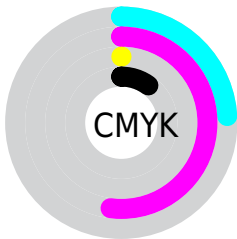
Blue (90%)



Red (68%)

Yellow (44%)

Blue (90%)

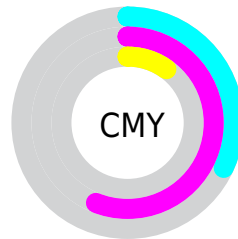


Cyan (24%)

Magenta (52%)

Yellow (0%)

Black (10%)



Cyan (32%)


Magenta (56%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0609, 25.9103, 77.1766 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 37.0609, 25.9103, 77.1766 by changing the saturation by 10% instead.


 37.0609, 25.9103,
77.1766


 37.0609, 25.9103,
77.1766


324.9251,
282.3415, 504.8196


 25.4285, 16.7565,
56.8854

 69.9797, 53.1302,
131.1640


 16.5270, 10.0611,
40.5045


 91.9968, 71.9651,
165.6973

 9.9911, 5.4395,
27.6153


 118.2062, 94.7959,
205.8151

 5.4553, 2.5073,
17.7994

 148.9732,
122.0070, 251.9359

 2.5543, 0.8803,
10.6381

184.6633,
153.9826, 304.4781

 0.9227, 0.0000,
5.7129

225.6417,

 0.0000, 0.0000,

191.1074, 363.8605

2.6054

272.2739,
233.7655, 430.5015

■ 0.0000, 0.0000,
0.8952

■ 0.0000, 0.0000,
0.0000

■ 37.0609, 25.9103,
77.1766

■ 37.0609, 25.9103,
77.1766

■ 32.5689, 20.3491,
76.3404

■ 42.3908, 32.8550,
78.2366

■ 28.8571, 16.0661,
75.7093

■ 48.6047, 41.2719,
79.5337

■ 25.8644, 12.9449,
75.2646

■ 55.7486, 51.2455,
81.0823

■ 23.5170, 10.8456,
74.9831

■ 63.8643, 62.8531,
82.8950

■ 21.9337, 9.6735,
74.8403

■ 72.9907, 76.1667,
84.9838

■ 83.1646, 91.2537,
87.3597

■ 88.9971, 97.3309,
88.2253

■ 91.1429, 98.4372,
88.3257

Harmonies

Analogous

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



28.2399, 25.9103, 100.5721



37.0609, 25.9103, 77.1766



43.2095, 25.9103, 44.3470

Triad

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



37.0609, 25.9103, 77.1766



29.7557, 25.9103, 3.2127



12.0938, 25.9103, 39.2886

Complementary

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



37.0609, 25.9103, 77.1766



46.8255, 65.4023, 25.1958

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.



12.3220, 25.9103, 16.5591



37.0609, 25.9103, 77.1766



21.3361, 25.9103, 2.9738

Square

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



37.0609, 25.9103, 77.1766



38.3833, 25.9103, 7.2273



15.3409, 25.9103, 6.1374



14.6263, 25.9103, 71.7345

Rectangle

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



37.0609, 25.9103, 77.1766



44.2748, 25.9103, 26.2832



15.3409, 25.9103, 6.1374



11.8698, 25.9103, 30.2327

Sweetspot

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



37.0619, 25.9113, 77.1772



77.6727, 74.6953, 104.9316



34.7080, 37.0552, 79.4523



16.1529, 15.3120, 22.3541



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.



37.0619, 25.9113, 77.1772



41.1310, 25.4507, 97.3524



51.8679, 33.5756, 76.4447



14.3020, 14.2579, 18.1426



12.6807, 5.6030, 42.7963



1.0442, 0.4693, 3.1675

Inverse Universe

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



44.9732, 30.8178, 40.1378



52.9451, 32.7668, 42.5282



37.5544, 60.6103, 25.3335



14.6603, 14.4813, 16.4118



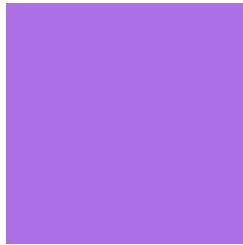
20.1033, 10.1755, 9.4387



1.5322, 0.7706, 0.9432

Previews

White Background



This preview shows how the XYZ color 37.0609, 25.9103, 77.1766 looks on a white background.

Color Contrast Check

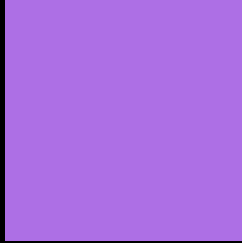
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0609, 25.9103, 77.1766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

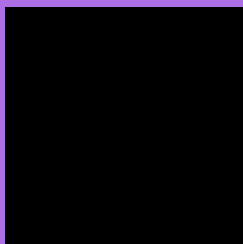
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0609, 25.9103, 77.1766

Background



This preview shows how black text looks on a background with the XYZ color 37.0609, 25.9103, 77.1766.

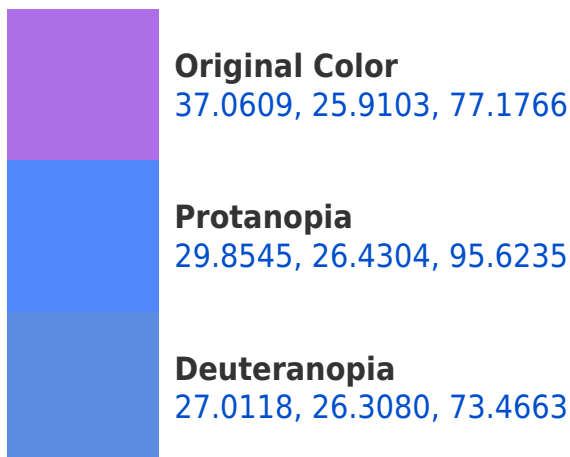


This preview shows how white text looks on a background with the XYZ color 37.0609, 25.9103,

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





Tritanopia

27.3097, 25.7548, 29.5184

Trichromacy



Original Color

37.0609, 25.9103, 77.1766



Protanomaly

30.9887, 25.3552, 88.8487



Deuteranomaly

29.3260, 25.2017, 74.5529



Tritanomaly

29.9519, 25.2578, 43.3410

Monochromacy



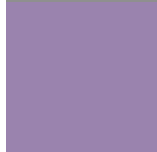
Original Color

37.0609, 25.9103, 77.1766



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

29.0827, 26.1586, 43.5607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.0609, 25.9103, 77.1766 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(173, 111, 229)` looks like.

```
.text, #text, p{  
    color:rgb(173, 111, 229)  
}
```

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(173, 111, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 111, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.0609, 25.9103, 77.1766 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(173, 111, 229) }
```


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

```
.border{ border-color:rgb(173, 111, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(173, 111, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 111, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 111, 229);  
box-shadow:4px 4px 4px 4px rgb(173, 111,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0609, 25.9103, 77.1766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 111, 229) }
```

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

```
.background{ background-color: rgb(173,  
111, 229) }
```

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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