

Converting Colors

XYZ(36.8458, 25.4028, 73.3362)

Have a look what the booklet for
XYZ(36.8458, 25.4028, 73.3362)
contains.

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Color

**XYZ(36.9486, 25.4541,
73.4867)**

Conversions

Conversions Part 1

Format	Color
Hex	B16CE0
RGB	177, 108, 224
RGB Percent	69%, 42%, 88%
CMY	0.3059, 0.5765, 0.1216
CMYK	0.21, 0.52, 0.00, 0.12
HSL	276°, 65%, 65%
HSV	276°, 52%, 88%
XYZ	36.9486, 25.4541, 73.4867
YIQ	141.8550, 3.8880, 50.7040

Conversions

Conversions Part 2

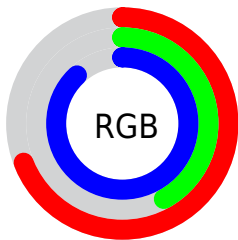
Format	Color
R_{YB}	177, 108, 224
Decimal	11627744
CIE _{Lab}	57.52, 48.04, -48.68
CIE _{LCh}	58, 68.393, 314.617
Yxy	25.4541, 0.2719, 0.1873
Android (android.graphics.Color)	4289817824 (0xFFB16CE0)
YUV	141.8550, 40.4975, 30.8222
Hunter-Lab	50.4521, 42.4335, -51.0433

Details

The XYZ color **36.9486, 25.4541, 73.4867** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **42.8806, 61.3631, 23.7725**, and the grayscale version is **25.4989, 26.8268, 29.2144**.

A 20% lighter version of the original color is **65.0558, 50.3719, 100.9017**, and **16.4162, 9.8184, 38.0757** is the 20% darker color. If you saturate the color by 10%, you get **32.8837, 20.2911, 72.7048**, and if you desaturate by 10%, it is **41.7598, 31.9036, 74.4784**.

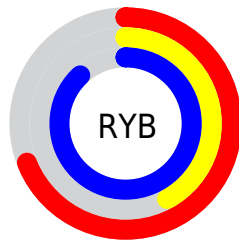
Distribution



Red (69%)

Green (42%)

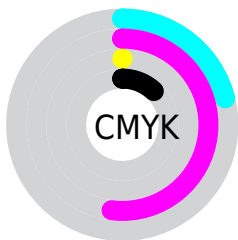
Blue (88%)



Red (69%)

Yellow (42%)

Blue (88%)

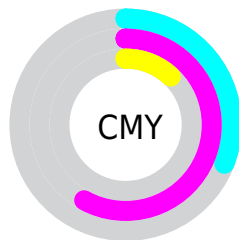


Cyan (21%)

Magenta (52%)

Yellow (0%)

Black (12%)



Cyan (31%)

Magenta (58%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.9486, 25.4541, 73.4867 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 36.9486, 25.4541, 73.4867 by changing the saturation by 10% instead.


 36.9486, 25.4541,
73.4867


 36.9486, 25.4541,
73.4867


324.4473,
280.0919, 491.8158


 25.3412, 16.4157,
53.8798


 69.8081, 52.3930,
125.8952

 16.4615, 9.8188,
38.1130


 91.7908, 71.0622,
159.5339

 9.9442, 5.2790,
25.7679


 117.9628, 93.7105,
198.6869

 5.4240, 2.4119,
16.4259

 148.6892,
120.7223, 243.7728

 2.5354, 0.8320,
9.6684

184.3355,
152.4819, 295.2101

 0.9131, 0.0000,
5.0769

225.2671,

 0.0000, 0.0000,

189.3738, 353.4173

2.2330

271.8492,
231.7823, 418.8131

■ 0.0000, 0.0000,
0.6933

■ 0.0000, 0.0000,
0.0000

■ 36.9486, 25.4541,
73.4867

■ 36.9486, 25.4541,
73.4867

■ 32.8837, 20.2911,
72.7048

■ 41.7598, 31.9036,
74.4784

■ 29.5120, 16.3151,
72.1151

■ 47.3592, 39.7227,
75.6926

■ 26.7771, 13.4169,
71.6998

■ 53.7891, 48.9910,
77.1426

■ 24.6110, 11.4641,
71.4371

■ 61.0875, 59.7809,
78.8406

■ 23.1659, 10.3882,
71.3056

■ 69.2899, 72.1601,
80.7977

■ 78.4298, 86.1918,
83.0244

■ 85.3309, 95.5205,
84.4613

■ 88.4988, 97.1536,
84.6095

■ 90.4546, 98.1618,
84.7011

Harmonies

Analogous

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



28.3660, 25.4541, 97.7395



36.9486, 25.4541, 73.4867



42.6589, 25.4541, 41.4008

Triad

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



36.9486, 25.4541, 73.4867



28.5913, 25.4541, 3.0601



11.9804, 25.4541, 40.6492

Complementary

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



36.9486, 25.4541, 73.4867



42.8806, 61.3631, 23.7725

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.



12.0143, 25.4541, 17.4364



36.9486, 25.4541, 73.4867



20.4514, 25.4541, 3.0245

Square

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



36.9486, 25.4541, 73.4867



37.1451, 25.4541, 6.6375



14.7741, 25.4541, 6.4755



14.6679, 25.4541, 72.6782

Rectangle

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



36.9486, 25.4541, 73.4867



43.4081, 25.4541, 24.2581



14.7741, 25.4541, 6.4755



11.6971, 25.4541, 31.4861

Sweetspot

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



36.9496, 25.4551, 73.4873



77.5649, 73.6729, 104.7399



31.5842, 32.4599, 75.1221



16.1696, 15.1302, 22.3181



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.



36.9496, 25.4551, 73.4873



43.7871, 26.8199, 97.4767



48.2839, 31.4454, 67.3670



13.7299, 13.6443, 17.2977



13.6175, 6.1154, 41.5110



1.0445, 0.4757, 2.8820

Inverse Universe

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



42.0201, 28.9398, 34.3822



51.9347, 32.3626, 37.2075



36.0910, 57.8001, 26.2912



13.9362, 13.7921, 15.4344



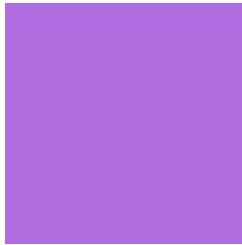
19.0398, 9.6829, 6.8754



1.3633, 0.6886, 0.7057

Previews

White Background



This preview shows how the XYZ color 36.9486, 25.4541, 73.4867 looks on a white background.

Color Contrast Check

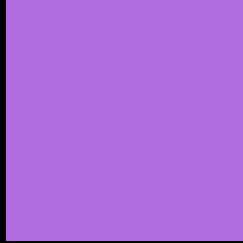
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.9486, 25.4541, 73.4867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

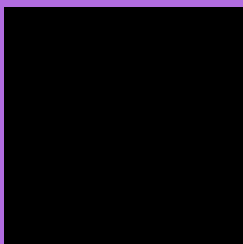
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.9486, 25.4541, 73.4867

Background



This preview shows how black text looks on a background with the XYZ color 36.9486, 25.4541, 73.4867.



This preview shows how white text looks on a background with the XYZ color 36.9486, 25.4541,

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

36.9486, 25.4541, 73.4867

Protanopia

29.3301, 26.0065, 93.0964

Deuteranopia

26.4627, 25.6718, 69.8901



Tritanopia

27.6147, 25.3511, 27.8639

Trichromacy



Original Color

36.9486, 25.4541, 73.4867

Protanomaly

30.3979, 24.7404, 85.6113

Deuteranomaly

28.9651, 24.7060, 70.9523

Tritanomaly

30.2415, 24.9019, 41.2428

Monochromacy



Original Color

36.9486, 25.4541, 73.4867

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

28.9466, 25.9124, 42.5057

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.9486, 25.4541, 73.4867 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(177, 108, 224)` looks like.

```
.text, #text, p{  
    color:rgb(177, 108, 224)  
}
```

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(177, 108, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 108, 224) }
```

Border

The CSS property to change the border of an element to XYZ 36.9486, 25.4541, 73.4867 is called "border". The border property can be set on classes, ids or directly on the HTML element.

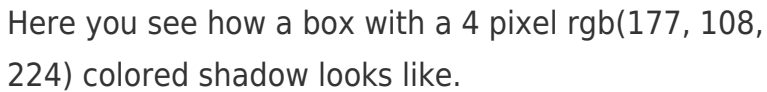
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(177, 108, 224) }
```


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

```
.border{ border-color:rgb(177, 108, 224) }
```

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



Here you see how a box with a 4 pixel `rgb(177, 108, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 108, 224); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 108, 224); box-shadow:4px 4px 4px 4px rgb(177, 108, 224) }
```

Background

The CSS property to change the background color of an element to XYZ 36.9486, 25.4541, 73.4867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 108, 224) }
```

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

```
.background{ background-color: rgb(177,  
108, 224) }
```

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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