

Converting Colors

XYZ(36.6601, 25.7528, 74.1570)

Have a look what the booklet for
XYZ(36.6601, 25.7528, 74.1570)
contains.

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Color

**XYZ(36.7306, 25.8038,
74.2789)**

Conversions

Conversions Part 1

Format	Color
Hex	AE6FE1
RGB	174, 111, 225
RGB Percent	68%, 44%, 88%
CMY	0.3176, 0.5647, 0.1176
CMYK	0.23, 0.51, 0.00, 0.12
HSL	273°, 66%, 66%
HSV	273°, 51%, 88%
XYZ	36.7306, 25.8038, 74.2789
YIQ	142.8330, 0.9540, 48.8100

Conversions

Conversions Part 2

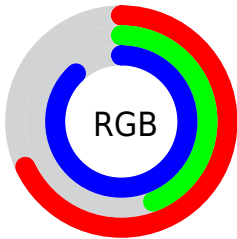
Format	Color
RYB	174, 111, 225
Decimal	11431905
CIELab	57.85, 45.87, -48.73
CIELCh	58, 66.928, 313.269
Yxy	25.8038, 0.2685, 0.1886
Android (android.graphics.Color)	4289621985 (0xFFAE6FE1)
YUV	142.8330, 40.5083, 27.3335
Hunter-Lab	50.7974, 40.1742, -51.1390

Details

The XYZ color **36.7306, 25.8038, 74.2789** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **44.6954, 62.6801, 24.7826**, and the grayscale version is **25.8863, 27.2344, 29.6582**.

A 20% lighter version of the original color is **64.6042, 50.9267, 101.0326**, and **16.3850, 10.0182, 38.6062** is the 20% darker color. If you saturate the color by 10%, you get **32.4187, 20.3844, 73.4606**, and if you desaturate by 10%, it is **41.8308, 32.5483, 75.3123**.

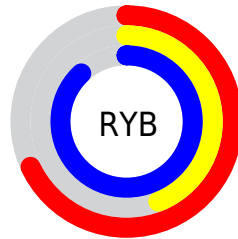
Distribution



Red (68%)

Green (44%)

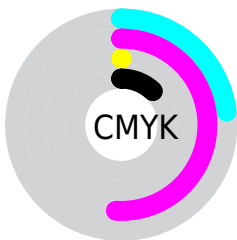
Blue (88%)



Red (68%)

Yellow (44%)

Blue (88%)

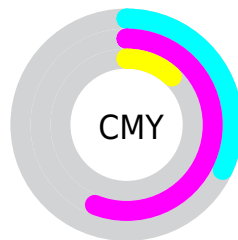


Cyan (23%)

Magenta (51%)

Yellow (0%)

Black (12%)



Cyan (32%)


Magenta (56%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 36.7306, 25.8038, 74.2789 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 36.7306, 25.8038, 74.2789 by changing the saturation by 10% instead.


 36.7306, 25.8038,
74.2789

 36.7306, 25.8038,
74.2789

323.5185,
281.8176, 494.6245


 25.1717, 16.6769,
54.5242


 69.4748, 52.9583,
127.0288


 16.3344, 10.0044,
38.6249


 91.3908, 71.7546,
160.8610

 9.8535, 5.4019,
26.1624


 117.4898, 94.5429,
200.2228

 5.3634, 2.4849,
16.7183

 148.1373,
121.7076, 245.5328

 2.4990, 0.8691,
9.8741

183.6985,
153.6330, 297.2094

 0.8947, 0.0000,
5.2110

224.5389,

 0.0000, 0.0000,

190.7036, 355.6711

2.3107

271.0238,
233.3036, 421.3367

■ 0.0000, 0.0000,
0.7372

■ 0.0000, 0.0000,
0.0000

■ 36.7306, 25.8038,
74.2789

■ 36.7306, 25.8038,
74.2789

■ 32.4187, 20.3844,
73.4606

■ 41.8308, 32.5483,
75.3123

■ 28.8410, 16.1905,
72.8396

■ 47.7622, 40.7014,
76.5734

■ 25.9406, 13.1126,
72.3984

■ 54.5680, 50.3434,
78.0758

■ 23.6490, 11.0197,
72.1152

■ 62.2872, 61.5473,
79.8316

21.9527, 9.7470,
71.9590

70.9562, 74.3813,
81.8519

80.6096, 88.9096,
84.1473

86.8195, 96.2722,
85.2411

90.4172, 98.1269,
85.4095

90.5907, 98.2163,
85.4176

Harmonies

Analogous

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



28.2504, 25.8038, 97.0414



36.7306, 25.8038, 74.2789



42.5240, 25.8038, 42.8780

Triad

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



36.7306, 25.8038, 74.2789



29.2543, 25.8038, 3.4412



12.3399, 25.8038, 39.5407

Complementary

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



36.7306, 25.8038, 74.2789



44.6954, 62.6801, 24.7826

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.



12.4936, 25.8038, 17.1740



36.7306, 25.8038, 74.2789



21.1437, 25.8038, 3.2731

Square

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



36.7306, 25.8038, 74.2789



37.6027, 25.8038, 7.3555



15.3770, 25.8038, 6.6077



14.8979, 25.8038, 70.7179

Rectangle

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



36.7306, 25.8038, 74.2789



43.4394, 25.8038, 25.6448



15.3770, 25.8038, 6.6077



12.0962, 25.8038, 30.6986

Sweetspot

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



36.7316, 25.8048, 74.2795



78.0209, 74.8748, 104.9479



33.1203, 34.7632, 76.1990



16.2368, 15.3552, 22.3580



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.



36.7316, 25.8048, 74.2795



42.6619, 26.5949, 97.4925



49.5622, 32.5076, 70.8880



13.6727, 13.6148, 17.2950



12.7865, 5.6870, 41.4721



0.9889, 0.4471, 2.8794

Inverse Universe

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



43.2580, 29.9859, 37.6910



52.9095, 33.1352, 41.1615



36.6748, 58.5079, 26.0984



13.9608, 13.8020, 15.5637



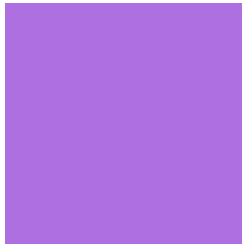
19.2941, 9.7846, 8.2143



1.3820, 0.6961, 0.8042

Previews

White Background



This preview shows how the XYZ color 36.7306, 25.8038, 74.2789 looks on a white background.

Color Contrast Check

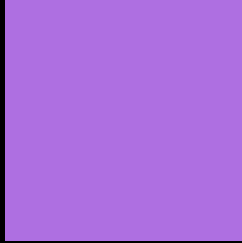
Large Text (above 18pt) WCAG AA ✓ Pass

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 36.7306, 25.8038, 74.2789 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

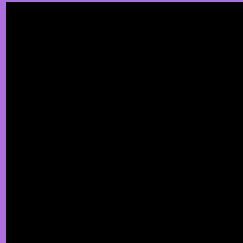
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 36.7306, 25.8038, 74.2789

Background



This preview shows how black text looks on a background with the XYZ color 36.7306, 25.8038, 74.2789.



This preview shows how white text looks on a background with the XYZ color 36.7306, 25.8038,

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

36.7306, 25.8038, 74.2789

Protanopia

29.5852, 26.3641, 92.3364

Deuteranopia

26.7381, 26.0126, 70.6295



Tritanopia

27.4960, 25.6592, 29.0947

Trichromacy



Original Color

36.7306, 25.8038, 74.2789



Protanomaly

30.7888, 25.3216, 85.7029



Deuteranomaly

29.2136, 25.2061, 71.7321



Tritanomaly

30.1711, 25.3932, 42.3409

Monochromacy



Original Color

36.7306, 25.8038, 74.2789



Achromatopsia

26.1081, 27.4677, 29.9124



Achromatomaly

28.9856, 26.1198, 43.0491

CSS Examples

Text

The CSS property to change the color of the text to XYZ 36.7306, 25.8038, 74.2789 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(174, 111, 225)` looks like.

```
.text, #text, p{  
    color:rgb(174, 111, 225)  
}
```

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(174, 111, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(174, 111, 225) }
```

Border

The CSS property to change the border of an element to XYZ 36.7306, 25.8038, 74.2789 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(174, 111, 225) }
```


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

```
.border{ border-color:rgb(174, 111, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(174, 111, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(174, 111, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(174, 111, 225);  
box-shadow:4px 4px 4px 4px rgb(174, 111,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 36.7306, 25.8038, 74.2789 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(174, 111, 225) }
```

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

```
.background{ background-color: rgb(174,  
111, 225) }
```

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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