

Converting Colors

XYZ(37.0479, 25.5752, 73.8670)

Have a look what the booklet for
XYZ(37.0479, 25.5752, 73.8670)
contains.

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Color

**XYZ(37.0846, 25.5085,
74.2032)**

Conversions

Conversions Part 1

Format	Color
Hex	B16CE1
RGB	177, 108, 225
RGB Percent	69%, 42%, 88%
CMY	0.3059, 0.5765, 0.1176
CMYK	0.21, 0.52, 0.00, 0.12
HSL	275°, 66%, 65%
HSV	275°, 52%, 88%
XYZ	37.0846, 25.5085, 74.2032
YIQ	141.9690, 3.5670, 51.0150

Conversions

Conversions Part 2

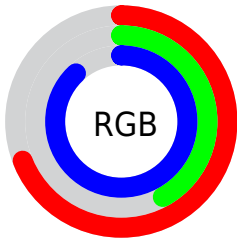
Format	Color
R_{YB}	177, 108, 225
Decimal	11627745
CIE _{Lab}	57.57, 48.26, -49.16
CIE _{LCh}	58, 68.890, 314.469
Yxy	25.5085, 0.2711, 0.1865
Android (android.graphics.Color)	4289817825 (0xFFB16CE1)
YUV	141.9690, 40.9343, 30.7222
Hunter-Lab	50.5059, 42.6804, -51.7546

Details

The XYZ color **37.0846, 25.5085, 74.2032** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **43.3430, 62.0016, 23.8714**, and the grayscale version is **25.5422, 26.8724, 29.2640**.

A 20% lighter version of the original color is **65.0558, 50.3719, 100.9017**, and **16.5097, 9.8558, 38.5683** is the 20% darker color. If you saturate the color by 10%, you get **32.9788, 20.3126, 73.4171**, and if you desaturate by 10%, it is **41.9468, 32.0041, 75.2012**.

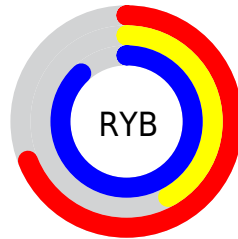
Distribution



Red (69%)

Green (42%)

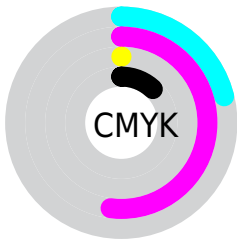
Blue (88%)



Red (69%)

Yellow (42%)

Blue (88%)

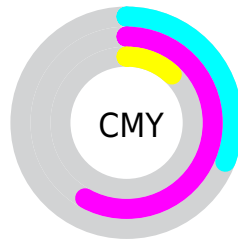


Cyan (21%)

Magenta (52%)

Yellow (0%)

Black (12%)



Cyan (31%)


Magenta (58%)


Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.0846, 25.5085, 74.2032 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 37.0846, 25.5085, 74.2032 by changing the saturation by 10% instead.


 37.0846, 25.5085,
74.2032


 37.0846, 25.5085,
74.2032


325.0258,
280.3609, 494.3565


 25.4470, 16.4563,
54.4626


 70.0159, 52.4810,
126.9205

 16.5409, 9.8476,
38.5759


 92.0402, 71.1700,
160.7343

 10.0010, 5.2980,
26.1247


 118.2575, 93.8402,
200.0762

 5.4619, 2.4232,
16.6903

 149.0331,
120.8758, 245.3648

 2.5582, 0.8378,
9.8543

184.7324,
152.6613, 297.0185

 0.9247, 0.0000,
5.1981

225.7207,

 0.0000, 0.0000,

189.5810, 355.4561

2.3032

272.3634,
232.0195, 421.0959

■ 0.0000, 0.0000,
0.7330

■ 0.0000, 0.0000,
0.0000

■ 37.0846, 25.5085,
74.2032

■ 37.0846, 25.5085,
74.2032

■ 32.9788, 20.3126,
73.4171

■ 41.9468, 32.0041,
75.2012

■ 29.5756, 16.3157,
72.8250

■ 47.6082, 39.8839,
76.4237

■ 26.8177, 13.4068,
72.4089

■ 54.1115, 49.2284,
77.8846

■ 24.6357, 11.4513,
72.1465

■ 61.4953, 60.1110,
79.5960

■ 23.2152, 10.3979,
72.0180

■ 69.7958, 72.6003,
81.5692

■ 79.0467, 86.7603,
83.8148

■ 85.8374, 95.7658,
85.1951

■ 89.0796, 97.4373,
85.3469

■ 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.



28.4115, 25.5085, 98.6772



37.0846, 25.5085, 74.2032



42.8788, 25.5085, 41.7390

Triad

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



37.0846, 25.5085, 74.2032



28.7269, 25.5085, 3.0089



11.9376, 25.5085, 40.6857

Complementary

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



37.0846, 25.5085, 74.2032



43.3430, 62.0016, 23.8714

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.



11.9849, 25.5085, 17.3340



37.0846, 25.5085, 74.2032



20.5073, 25.5085, 2.9599

Square

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



37.0846, 25.5085, 74.2032



37.3600, 25.5085, 6.6044



14.7748, 25.5085, 6.3795



14.6265, 25.5085, 73.0679

Rectangle

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



37.0846, 25.5085, 74.2032



43.6569, 25.5085, 24.3951



14.7748, 25.5085, 6.3795



11.6572, 25.5085, 31.4523

Sweetspot

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



37.0856, 25.5095, 74.2038



77.4951, 73.6369, 104.7367



31.7906, 32.6548, 75.8621



16.1529, 15.1216, 22.3174



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.



37.0856, 25.5095, 74.2038



43.5854, 26.7160, 97.4672



48.7125, 31.6527, 68.0012



13.7230, 13.6407, 17.2973



13.5133, 6.0617, 41.5062



1.0376, 0.4722, 2.8817

Inverse Universe

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



42.4154, 29.1339, 34.8412



52.0058, 32.3911, 37.5822



36.3655, 58.3413, 26.4071



13.9392, 13.7933, 15.4500



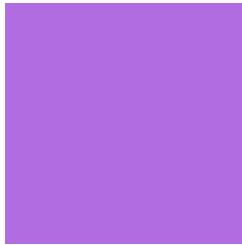
19.0689, 9.6946, 7.0286



1.3654, 0.6894, 0.7172

Previews

White Background



This preview shows how the XYZ color 37.0846, 25.5085, 74.2032 looks on a white background.

Color Contrast Check

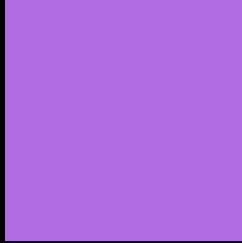
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.0846, 25.5085, 74.2032 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

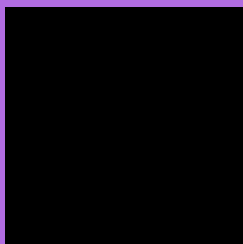
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.0846, 25.5085, 74.2032

Background



This preview shows how black text looks on a background with the XYZ color 37.0846, 25.5085, 74.2032.

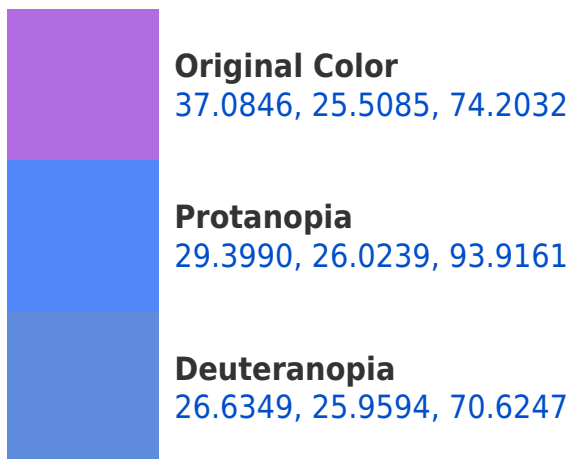


This preview shows how white text looks on a background with the XYZ color 37.0846, 25.5085,

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

27.6147, 25.3511, 27.8639

Trichromacy



Original Color

37.0846, 25.5085, 74.2032



Protanomaly

30.5469, 24.8000, 86.3960



Deuteranomaly

29.0825, 24.9439, 71.6885



Tritanomaly

30.2415, 24.9019, 41.2428

Monochromacy



Original Color

37.0846, 25.5085, 74.2032



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 37.0846, 25.5085, 74.2032 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, 225)` looks like.

```
.text, #text, p{  
    color:rgb(177, 108, 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(177, 108, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 108, 225) }
```

Border

The CSS property to change the border of an element to XYZ 37.0846, 25.5085, 74.2032 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, 225) }
```


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

```
.border{ border-color:rgb(177, 108, 225) }
```

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, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 108, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 108, 225);  
box-shadow:4px 4px 4px 4px rgb(177, 108,  
225) }
```

Background

The CSS property to change the background color of an element to XYZ 37.0846, 25.5085, 74.2032 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, 225) }
```

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

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