

Converting Colors

XYZ(37.4242, 26.3308, 66.5445)

Have a look what the booklet for
XYZ(37.4242, 26.3308, 66.5445)
contains.

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Color

**XYZ(37.3505, 26.2912,
66.7245)**

Conversions

Conversions Part 1

Format	Color
Hex	B76FD6
RGB	183, 111, 214
RGB Percent	72%, 44%, 84%
CMY	0.2823, 0.5647, 0.1608
CMYK	0.14, 0.48, 0.00, 0.16
HSL	282°, 56%, 64%
HSV	282°, 48%, 84%
XYZ	37.3505, 26.2912, 66.7245
YIQ	144.2700, 9.8490, 47.2970

Conversions

Conversions Part 2

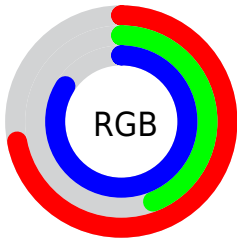
Format	Color
R _Y B	183, 111, 214
Decimal	12021718
CIE Lab	58.31, 45.92, -41.75
CIE LCh	58, 62.064, 317.720
Yxy	26.2912, 0.2865, 0.2017
Android (android.graphics.Color)	4290211798 (0xFFB76FD6)
YUV	144.2700, 34.3769, 33.9662
Hunter-Lab	51.2749, 40.2946, -41.2621

Details

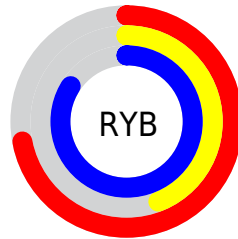
The XYZ color **37.3505, 26.2912, 66.7245** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **38.0719, 54.9923, 23.6479**, and the grayscale version is **26.4819, 27.8610, 30.3406**.

A 20% lighter version of the original color is **67.7808, 52.8310, 101.2327**, and **16.7760, 10.3241, 33.9095** is the 20% darker color. If you saturate the color by 10%, you get **33.7922, 21.3964, 65.9677**, and if you desaturate by 10%, it is **41.5401, 32.3429, 67.6722**.

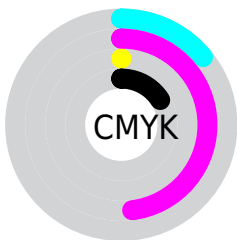
Distribution



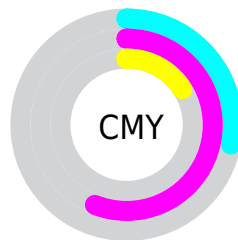
- Red (72%)
- Green (44%)
- Blue (84%)



- Red (72%)
- Yellow (44%)
- Blue (84%)



- Cyan (14%)
- Magenta (48%)
- Yellow (0%)
- Black (16%)



- Cyan (28%)
- Magenta (56%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.3505, 26.2912, 66.7245 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 37.3505, 26.2912, 66.7245 by changing the saturation by 10% instead.

37.3505, 26.2912,
66.7245

37.3505, 26.2912,
66.7245

326.1548,
284.2086, 467.4383

25.6539, 17.0416,
48.4006

70.4219, 53.7444,
116.1625

16.6962, 10.2642,
33.7820

92.5273, 72.7167,
148.1136

10.1121, 5.5745,
22.4502

118.8332, 95.6988,
185.4442

5.5362, 2.5881,
13.9866

149.7047,
123.0750, 228.5728

2.6031, 0.9207,
7.9727

185.5072,
155.2296, 277.9180

0.9475, 0.0000,
3.9899

226.6062,

0.0000, 0.0000,

192.5472, 333.8982

1.6198

273.3669,
235.4121, 396.9322

■ 0.0000, 0.0000,
0.3049

■ 0.0000, 0.0000,
0.0000

■ 37.3505, 26.2912,
66.7245

■ 37.3505, 26.2912,
66.7245

■ 33.7922, 21.3964,
65.9677

■ 41.5401, 32.3429,
67.6722

■ 30.8208, 17.5735,
65.3864


■ 46.3956, 39.6217,
68.8212


■ 28.3902, 14.7309,
64.9658


■ 51.9523, 48.1963,
70.1834


■ 26.4454, 12.7599,
64.6879


■ 58.2421, 58.1290,
71.7691


 24.9063, 11.5020,
64.5262


 65.2949, 69.4782,
73.5880

 24.6407, 11.3006,
64.5013

 73.1386, 82.2987,
75.6492

 79.9202, 92.8833,
77.3348

 82.0029, 93.9569,
77.4323

 84.1625, 95.0703,
77.5334

Harmonies

Analogous

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



29.6761, 26.2912, 89.3504



37.3505, 26.2912, 66.7245



42.0392, 26.2912, 38.4171

Triad

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



37.3505, 26.2912, 66.7245



28.2074, 26.2912, 4.1822



13.5491, 26.2912, 43.2474

Complementary

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



37.3505, 26.2912, 66.7245



38.0719, 54.9923, 23.6479

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.



13.3132, 26.2912, 20.6592



37.3505, 26.2912, 66.7245



20.8234, 26.2912, 4.4722

Square

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



37.3505, 26.2912, 66.7245



36.0903, 26.2912, 7.5608



15.7089, 26.2912, 8.7696



16.4353, 26.2912, 71.7547

Rectangle

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



37.3505, 26.2912, 66.7245



42.3237, 26.2912, 23.3938



15.7089, 26.2912, 8.7696



13.1818, 26.2912, 34.5868

Sweetspot

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



37.3515, 26.2923, 66.7251



80.8568, 77.3186, 105.2701



28.6094, 28.0662, 67.5282



16.8813, 15.8807, 22.4255



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.



37.3515, 26.2923, 66.7251



50.0354, 31.5295, 98.0564



43.2803, 29.6114, 55.1341



12.5723, 12.4364, 15.6754



15.0033, 6.8870, 38.9917



0.9868, 0.4576, 2.3556

Inverse Universe

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



38.2993, 27.6190, 28.9045



52.1440, 34.0506, 33.3639



34.6244, 53.0819, 29.5001



12.5756, 12.4817, 13.7051



17.3688, 8.8838, 3.9801



1.0839, 0.5504, 0.4315

Previews

White Background



This preview shows how the XYZ color 37.3505, 26.2912, 66.7245 looks on a white background.

Color Contrast Check

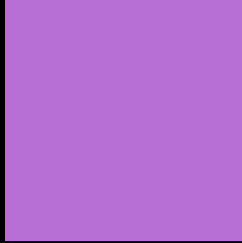
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.3505, 26.2912, 66.7245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

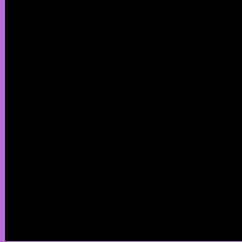
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.3505, 26.2912, 66.7245

Background



This preview shows how black text looks on a background with the XYZ color 37.3505, 26.2912, 66.7245.



This preview shows how white text looks on a background with the XYZ color 37.3505, 26.2912,

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

37.3505, 26.2912, 66.7245

Protanopia

29.2687, 26.6024, 83.7129

Deuteranopia

27.1937, 26.6252, 63.3804



Tritanopia

29.5237, 26.3352, 27.9532

Trichromacy



Original Color

37.3505, 26.2912, 66.7245



Protanomaly

30.9153, 25.7626, 77.4720



Deuteranomaly

29.7996, 25.6720, 64.3574



Tritanomaly

31.7470, 25.9023, 39.4028

Monochromacy



Original Color

37.3505, 26.2912, 66.7245



Achromatopsia

26.5089, 27.8894, 30.3716



Achromatomaly

29.5132, 26.6362, 41.1219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.3505, 26.2912, 66.7245 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(183, 111, 214)` looks like.

```
.text, #text, p{  
    color:rgb(183, 111, 214)  
}
```

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(183, 111, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(183, 111, 214) }
```

Border

The CSS property to change the border of an element to XYZ 37.3505, 26.2912, 66.7245 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(183, 111, 214) }
```


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

```
.border{ border-color:rgb(183, 111, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(183, 111, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(183, 111, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(183, 111, 214);  
box-shadow:4px 4px 4px 4px rgb(183, 111,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 37.3505, 26.2912, 66.7245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(183, 111, 214) }
```

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

```
.background{ background-color: rgb(183,  
111, 214) }
```

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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