

Converting Colors

XYZ(37.6302, 22.5871, 76.8376)

Have a look what the booklet for
XYZ(37.6302, 22.5871, 76.8376)
contains.

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Color

**XYZ(37.6411, 22.5932,
76.5058)**

Conversions

Conversions Part 1

Format	Color
Hex	BA55E5
RGB	186, 85, 229
RGB Percent	73%, 33%, 90%
CMY	0.2706, 0.6667, 0.1020
CMYK	0.19, 0.63, 0.00, 0.10
HSL	282°, 73%, 62%
HSV	282°, 63%, 90%
XYZ	37.6411, 22.5932, 76.5058
YIQ	131.6150, 13.9720, 66.1960

Conversions

Conversions Part 2

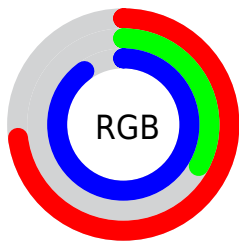
Format	Color
R_{YB}	186, 85, 229
Decimal	12211685
CIE _{Lab}	54.65, 62.65, -55.99
CIE _{LCh}	55, 84.024, 318.212
Yxy	22.5932, 0.2753, 0.1652
Android (android.graphics.Color)	4290401765 (0xFFBA55E5)
YUV	131.6150, 48.0108, 47.6956
Hunter-Lab	47.5323, 58.1736, -62.1578

Details

The XYZ color **37.6411, 22.5932, 76.5058** is a light color, and the websafe version is hex **CC66FF**. The color can be described as light muted purple. A complement of this color would be **38.5615, 61.2841, 18.3916**, and the grayscale version is **21.6241, 22.7502, 24.7750**.

A 20% lighter version of the original color is **65.0843, 45.3886, 99.9383**, and **16.9227, 8.3375, 40.2525** is the 20% darker color. If you saturate the color by 10%, you get **34.4997, 18.7170, 75.9236**, and if you desaturate by 10%, it is **41.4470, 27.6784, 77.2871**.

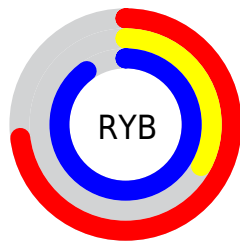
Distribution



Red (73%)

Green (33%)

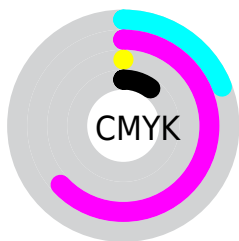
Blue (90%)



Red (73%)

Yellow (33%)

Blue (90%)

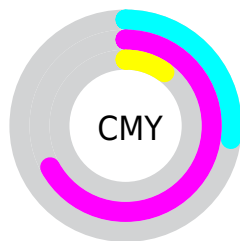


Cyan (19%)

Magenta (63%)

Yellow (0%)

Black (10%)



Cyan (27%)

Magenta (67%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6411, 22.5932, 76.5058 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 37.6411, 22.5932, 76.5058 by changing the saturation by 10% instead.

37.6411, 22.5932,
76.5058

37.6411, 22.5932,
76.5058

327.3854,
265.6286, 502.4702

25.8802, 14.2934,
56.3382

70.8652, 47.7245,
130.2083

16.8663, 8.3250,
40.0683

93.0590, 65.3248,
164.5802

10.2339, 4.3036,
27.2776

119.4613, 86.7941,
204.5241

5.6178, 1.8448,
17.5476

150.4372,
112.5167, 250.4583

2.6525, 0.5149,
10.4596

186.3523,
142.8771, 302.8015

0.9728, 0.0000,
5.5952

227.5717,

0.0000, 0.0000,

178.2596, 361.9722

2.5357

274.4610,
219.0486, 428.3889

■ 0.0000, 0.0000,
0.8590

■ 0.0000, 0.0000,
0.0000

■ 37.6411, 22.5932,
76.5058

■ 37.6411, 22.5932,
76.5058

■ 34.4997, 18.7170,
75.9236

■ 41.4470, 27.6784,
77.2871

■ 31.9602, 15.9293,
75.5193

■ 45.9665, 34.0721,
78.2830

■ 29.9517, 14.0886,
75.2699

■ 51.2469, 41.8664,
79.5092

■ 28.7645, 13.1949,
75.1600

■ 57.3304, 51.1442,
80.9793

64.2559, 61.9818,
82.7062

72.0597, 74.4502,
84.7015

80.7758, 88.6160,
86.9764

86.0785, 95.8264,
88.0887

88.4531, 97.0505,
88.1998

Harmonies

Analogous

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



27.5222, 22.5932, 111.5624



37.6411, 22.5932, 76.5058



43.9973, 22.5932, 36.5346

Triad

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



37.6411, 22.5932, 76.5058



25.3141, 22.5932, 0.8371



8.6282, 22.5932, 44.1863

Complementary

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



37.6411, 22.5932, 76.5058



38.5615, 61.2841, 18.3916

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.



8.3505, 22.5932, 15.5969



37.6411, 22.5932, 76.5058



16.3842, 22.5932, 1.0081

Square

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



37.6411, 22.5932, 76.5058



35.6305, 22.5932, 2.8184



10.7604, 22.5932, 3.8809



11.6735, 22.5932, 85.4254

Rectangle

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



37.6411, 22.5932, 76.5058



44.3088, 22.5932, 18.0219



10.7604, 22.5932, 3.8809



8.2483, 22.5932, 32.6112

Sweetspot

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



37.6420, 22.5941, 76.5063



76.3703, 70.2466, 104.1415



25.6351, 23.0798, 77.2329



15.8201, 14.2173, 22.1604



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.



37.6420, 22.5941, 76.5063



43.1297, 22.8498, 96.7450



46.0109, 27.3351, 57.6180



14.5541, 14.3879, 18.1544



16.5728, 7.6095, 42.9785



1.3171, 0.6100, 3.1803

Inverse Universe

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



39.4584, 24.7141, 23.1130



46.5018, 26.2756, 20.6642



34.7921, 59.1808, 25.4500



14.5532, 14.4385, 15.8476



19.1246, 9.7840, 4.2850



1.4531, 0.7390, 0.5266

Previews

White Background



This preview shows how the XYZ color 37.6411, 22.5932, 76.5058 looks on a white background.

Color Contrast Check

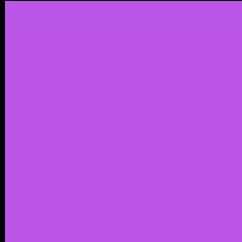
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.6411, 22.5932, 76.5058 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

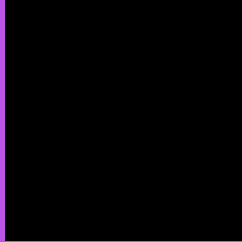
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.6411, 22.5932, 76.5058

Background



This preview shows how black text looks on a background with the XYZ color 37.6411, 22.5932, 76.5058.



This preview shows how white text looks on a background with the XYZ color 37.6411, 22.5932,

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

37.6411, 22.5932, 76.5058

Protanopia

27.1076, 23.1556, 97.6485

Deuteranopia

23.6238, 22.9350, 70.8919



Tritanopia

26.5246, 22.5175, 22.3503

Trichromacy



Original Color

37.6411, 22.5932, 76.5058



Protanomaly

27.7956, 21.0089, 89.7789



Deuteranomaly

26.1321, 21.0339, 72.4947



Tritanomaly

29.5669, 21.9776, 37.3341

Monochromacy



Original Color

37.6411, 22.5932, 76.5058



Achromatopsia

21.9318, 23.0740, 25.1276



Achromatomaly

26.0547, 21.7269, 39.3797

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6411, 22.5932, 76.5058 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(186, 85, 229)` looks like.

```
.text, #text, p{  
    color:rgb(186, 85, 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(186, 85, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 85, 229) }
```

Border

The CSS property to change the border of an element to XYZ 37.6411, 22.5932, 76.5058 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(186, 85, 229) }
```


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

```
.border{ border-color:rgb(186, 85, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 85, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 85, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 85, 229);  
box-shadow:4px 4px 4px 4px rgb(186, 85,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6411, 22.5932, 76.5058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 85, 229) }
```

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

```
.background{ background-color: rgb(186, 85,  
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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