

Converting Colors

XYZ(38.5765, 33.5542, 75.2502)

Have a look what the booklet for
XYZ(38.5765, 33.5542, 75.2502)
contains.

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Color

**XYZ(38.6337, 33.6210,
74.9743)**

Conversions

Conversions Part 1

Format	Color
Hex	A292E0
RGB	162, 146, 224
RGB Percent	64%, 57%, 88%
CMY	0.3647, 0.4274, 0.1216
CMYK	0.28, 0.35, 0.00, 0.12
HSL	252°, 56%, 73%
HSV	252°, 35%, 88%
XYZ	38.6337, 33.6210, 74.9743
YIQ	159.6760, -15.5020, 27.6500

Conversions

Conversions Part 2

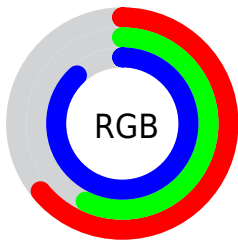
Format	Color
RYB	162, 146, 224
Decimal	10654432
CIELab	64.66, 22.70, -37.54
CIELCh	65, 43.871, 301.165
Yxy	33.6210, 0.2624, 0.2284
Android (android.graphics.Color)	4288844512 (0xFFA292E0)
YUV	159.6760, 31.7117, 2.0381
Hunter-Lab	57.9836, 17.4608, -36.0750

Details

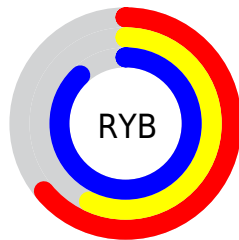
The XYZ color **38.6337, 33.6210, 74.9743** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **57.8573, 68.7973, 37.4253**, and the grayscale version is **33.1295, 34.8548, 37.9569**.

A 20% lighter version of the original color is **67.6177, 63.4340, 103.2879**, and **17.3444, 14.1997, 38.8725** is the 20% darker color. If you saturate the color by 10%, you get **32.1488, 25.6450, 73.7772**, and if you desaturate by 10%, it is **46.3096, 43.2166, 76.4225**.

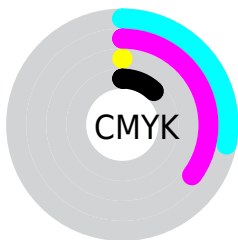
Distribution



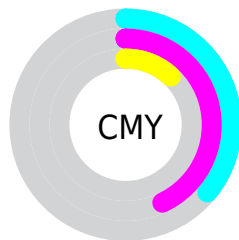
- Red (64%)
- Green (57%)
- Blue (88%)



- Red (64%)
- Yellow (57%)
- Blue (88%)



- Cyan (28%)
- Magenta (35%)
- Yellow (0%)
- Black (12%)



- Cyan (36%)
- Magenta (43%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6337, 33.6210, 74.9743 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 38.6337, 33.6210, 74.9743 by changing the saturation by 10% instead.

■ 38.6337, 33.6210,
74.9743

■ 38.6337, 33.6210,
74.9743

331.5647,
318.4388, 497.0823

■ 26.6543, 22.6026,
55.0902

■ 72.3761, 65.3439,
128.0227

■ 17.4490, 14.3003,
39.0749

■ 94.8698, 86.8171,
162.0242

■ 10.6524, 8.3299,
26.5097

121.5990,
112.5441, 201.5685

■ 5.8992, 4.3067,
16.9762

152.9290,
142.9092, 247.0743

■ 2.8240, 1.8466,
10.0557

189.2252,
178.2968, 298.9600

■ 1.0614, 0.5160,
5.3298

230.8530,

■ 0.0000, 0.0000,

219.0914, 357.6442

2.3800

278.1777,
265.6772, 423.5455

■ 0.0000, 0.0000,
0.7755

■ 0.0000, 0.0000,
0.0000

■ 38.6337, 33.6210,
74.9743

■ 38.6337, 33.6210,
74.9743

■ 32.1488, 25.6450,
73.7772

■ 46.3096, 43.2166,
76.4225

■ 26.7902, 19.1942,
72.8145

■ 55.2295, 54.5111,
78.1324

■ 22.4924, 14.1705,
72.0713

■ 65.4475, 67.5833,
80.1170

■ 19.1813, 10.4625,
71.5301

■ 77.0134, 82.5061,
82.3878

■ 16.7726, 7.9416,
71.1705

■ 89.0087, 97.4165,
84.6336

■ 15.1663, 6.4523,
70.9677

■ 90.4547, 98.1619,
84.7013

■ 14.5791, 5.9615,
70.9039

Harmonies

Analogous

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



32.2024, 33.6210, 83.3180



38.6337, 33.6210, 74.9743



43.7674, 33.6210, 55.9872

Triad

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



38.6337, 33.6210, 74.9743



38.1522, 33.6210, 13.8727



21.3230, 33.6210, 37.3166

Complementary

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



38.6337, 33.6210, 74.9743



57.8573, 68.7973, 37.4253

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.



22.4869, 33.6210, 22.3121



38.6337, 33.6210, 74.9743



31.7104, 33.6210, 11.7460

Square

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



38.6337, 33.6210, 74.9743



43.4647, 33.6210, 21.4463



26.0954, 33.6210, 14.2449



22.6821, 33.6210, 57.6227

Rectangle

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



38.6337, 33.6210, 74.9743



45.4615, 33.6210, 42.1904



26.0954, 33.6210, 14.2449



21.4308, 33.6210, 31.5403

Sweetspot

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



38.6349, 33.6223, 74.9751



80.3800, 81.1521, 106.0352



47.9632, 56.8009, 78.9573



16.7945, 16.8457, 22.6163



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.



38.6349, 33.6223, 74.9751



45.1735, 36.8999, 99.3492



47.7145, 38.3030, 75.4000



13.2134, 13.3780, 17.2735



8.5623, 3.5093, 41.2744



0.6672, 0.2813, 2.8644

Inverse Universe

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



52.4055, 40.9604, 64.8195



66.5266, 48.2934, 82.9292



48.2931, 63.8668, 36.9777



14.1683, 13.8849, 16.6562



22.6164, 11.1135, 25.7092



1.5984, 0.7826, 1.9441

Previews

White Background



This preview shows how the XYZ color 38.6337, 33.6210, 74.9743 looks on a white background.

Color Contrast Check

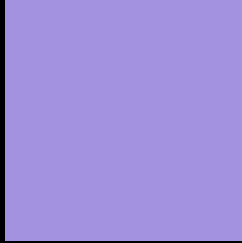
Large Text (above 18pt) WCAG AA × Fail

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 38.6337, 33.6210, 74.9743 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 ✓ Pass

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

XYZ 38.6337, 33.6210, 74.9743

Background



This preview shows how black text looks on a background with the XYZ color 38.6337, 33.6210, 74.9743.



This preview shows how white text looks on a background with the XYZ color 38.6337, 33.6210,

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

38.6337, 33.6210, 74.9743

Protanopia

35.3395, 33.7060, 80.2446

Deuteranopia

34.5790, 33.7032, 73.7901



Tritanopia

31.9809, 33.5578, 42.3278

Trichromacy



Original Color

38.6337, 33.6210, 74.9743

Protanomaly

36.2255, 33.4854, 77.9528

Deuteranomaly

36.0491, 33.7135, 74.4194

Tritanomaly

34.0941, 33.4252, 52.7989

Monochromacy



Original Color

38.6337, 33.6210, 74.9743

Achromatopsia

33.4132, 35.1533, 38.2819

Achromatomaly

34.9665, 34.4387, 49.6041

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6337, 33.6210, 74.9743 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(162, 146, 224)` looks like.

```
.text, #text, p{  
    color:rgb(162, 146, 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(162, 146, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 146, 224) }
```

Border

The CSS property to change the border of an element to XYZ 38.6337, 33.6210, 74.9743 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(162, 146, 224) }
```


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

```
.border{ border-color:rgb(162, 146, 224) }
```

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

Here you see how a box with a 4 pixel rgb(162, 146, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 146, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 146, 224);  
box-shadow:4px 4px 4px 4px rgb(162, 146,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6337, 33.6210, 74.9743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 146, 224) }
```

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

```
.background{ background-color: rgb(162,  
146, 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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