

Converting Colors

XYZ(42.6531, 37.6563, 83.6176)

Have a look what the booklet for
XYZ(42.6531, 37.6563, 83.6176)
contains.

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Color

**XYZ(42.6531, 37.6563,
83.6176)**

Conversions

Conversions Part 1

Format	Color
Hex	A79BEB
RGB	167, 155, 235
RGB Percent	65%, 61%, 92%
CMY	0.3451, 0.3921, 0.0784
CMYK	0.29, 0.34, 0.00, 0.08
HSL	249°, 67%, 76%
HSV	249°, 34%, 92%
XYZ	42.6531, 37.6563, 83.6176
YIQ	167.7080, -18.5280, 27.4240

Conversions

Conversions Part 2

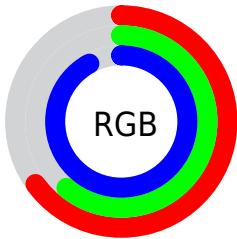
Format	Color
RYB	167, 155, 235
Decimal	10984427
CIELab	67.77, 21.74, -38.73
CIElCh	68, 44.410, 299.308
Yxy	37.6563, 0.2602, 0.2297
Android (android.graphics.Color)	4289174507 (0xFFA79BEB)
YUV	167.7080, 33.1750, -0.6209
Hunter-Lab	61.3647, 16.6826, -37.8352

Details

The XYZ color **42.6531, 37.6563, 83.6176** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **66.0569, 77.4719, 42.4837**, and the grayscale version is **36.9266, 38.8497, 42.3073**.

A 20% lighter version of the original color is **71.5909, 68.6682, 104.0888**, and **19.8970, 16.6660, 44.8160** is the 20% darker color. If you saturate the color by 10%, you get **35.2173, 28.5719, 82.2567**, and if you desaturate by 10%, it is **51.5044, 48.6016, 85.2644**.

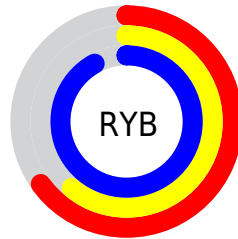
Distribution



Red (65%)

Green (61%)

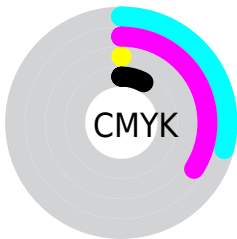
Blue (92%)



Red (65%)

Yellow (61%)

Blue (92%)

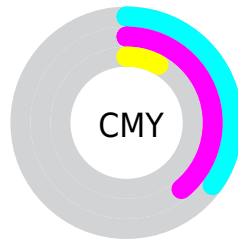


Cyan (29%)

Magenta (34%)

Yellow (0%)

Black (8%)



Cyan (35%)

Magenta (39%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.6531, 37.6563, 83.6176 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 42.6531, 37.6563, 83.6176 by changing the saturation by 10% instead.

■ 42.6531, 37.6563,
83.6176

■ 42.6531, 37.6563,
83.6176

348.1289,
336.1433, 527.0673

■ 29.8064, 25.7160,
62.1562

■ 78.4461, 71.5810,
140.2971

■ 19.8390, 16.6113,
44.7223

■ 102.1231, 94.3343,
176.3523

■ 12.3857, 9.9578,
30.8974

130.1408,
121.4607, 218.1091

■ 7.0810, 5.3710,
20.2629

162.8647,
153.3446, 265.9862

■ 3.5596, 2.4665,
12.4003

200.6601,
190.3704, 320.4020

■ 1.4561, 0.8598,
6.8911

243.8924,

■ 0.2957, 0.0000,

232.9225, 381.7751

3.3167

292.9269,
281.3854, 450.5240

■ 0.0000, 0.0000,
1.2585

■ 0.0000, 0.0000,
0.0274

■ 42.6531, 37.6563,
83.6176

■ 42.6531, 37.6563,
83.6176

■ 35.2173, 28.5719,
82.2567

■ 51.5044, 48.6016,
85.2644

■ 29.1188, 21.2401,
81.1629

■ 61.8358, 61.4994,
87.2094

■ 24.2779, 15.5479,
80.3194

■ 73.7129, 76.4404,
89.4673

■ 20.6046, 11.3672,
79.7060

■ 87.1958, 93.5082,
92.0511

■ 17.9964, 8.5507,
79.2999

■ 91.9955, 98.7782,
92.8153

■ 16.3320, 6.9204,
79.0729

■ 15.6972, 6.3600,
78.9982

Harmonies

Analogous

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



35.6320, 37.6563, 91.6429



42.6531, 37.6563, 83.6176



48.3917, 37.6563, 63.4958

Triad

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



42.6531, 37.6563, 83.6176



42.9643, 37.6563, 16.3184



24.1429, 37.6563, 40.5463

Complementary

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



42.6531, 37.6563, 83.6176



66.0569, 77.4719, 42.4837

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.



25.5931, 37.6563, 24.5670



42.6531, 37.6563, 83.6176



35.9509, 37.6563, 13.6177

Square

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



42.6531, 37.6563, 83.6176



48.5869, 37.6563, 25.1335



29.7078, 37.6563, 16.0725



25.4658, 37.6563, 62.4429

Rectangle

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



42.6531, 37.6563, 83.6176



50.4005, 37.6563, 48.4265



29.7078, 37.6563, 16.0725



24.3189, 37.6563, 34.3768

Sweetspot

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



42.6544, 37.6578, 83.6185



79.9184, 80.9141, 106.0136



54.9017, 65.7431, 88.3940



16.6837, 16.7886, 22.6111



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.



42.6544, 37.6578, 83.6185



44.7821, 37.2980, 99.4467



52.4500, 42.7075, 84.0769



14.4415, 14.6574, 18.9903



8.8018, 3.5734, 43.9688



0.7559, 0.3140, 3.4556

Inverse Universe

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



59.3025, 46.4338, 75.6495



67.8451, 49.4673, 87.8792



55.1542, 71.8514, 41.9735



15.6120, 15.2727, 18.5083



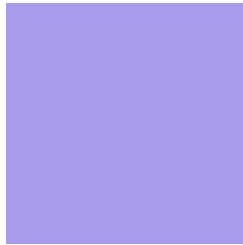
24.8915, 12.1593, 31.5594



1.9810, 0.9653, 2.6171

Previews

White Background



This preview shows how the XYZ color 42.6531, 37.6563, 83.6176 looks on a white background.

Color Contrast Check

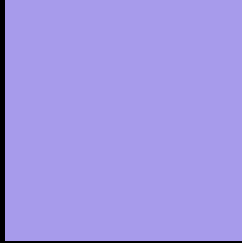
Large Text (above 18pt) WCAG AA × Fail

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 42.6531, 37.6563, 83.6176 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

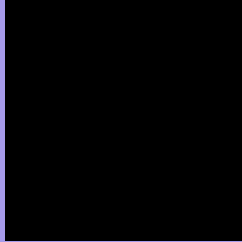
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.6531, 37.6563, 83.6176

Background



This preview shows how black text looks on a background with the XYZ color 42.6531, 37.6563, 83.6176.



This preview shows how white text looks on a background with the XYZ color 42.6531, 37.6563,

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

42.6531, 37.6563, 83.6176

Protanopia

39.4450, 37.6805, 88.4132

Deuteranopia

38.6204, 37.6530, 82.3230



Tritanopia

35.4832, 37.5950, 48.0342

Trichromacy



Original Color

42.6531, 37.6563, 83.6176

Protanomaly

40.3726, 37.4178, 86.7559

Deuteranomaly

39.9998, 37.5662, 82.9847

Tritanomaly

37.7263, 37.4378, 59.2706

Monochromacy



Original Color

42.6531, 37.6563, 83.6176

Achromatopsia

37.2190, 39.1572, 42.6422

Achromatomaly

38.7601, 38.3250, 55.2238

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.6531, 37.6563, 83.6176 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(167, 155, 235)` looks like.

```
.text, #text, p{  
    color:rgb(167, 155, 235)  
}
```

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(167, 155, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 155, 235) }
```

Border

The CSS property to change the border of an element to XYZ 42.6531, 37.6563, 83.6176 is called "border". The border property can be set on classes, ids or directly on the HTML element.

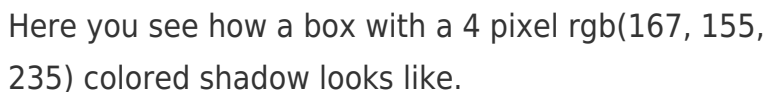
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(167, 155, 235) }
```


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

```
.border{ border-color:rgb(167, 155, 235) }
```

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



Here you see how a box with a 4 pixel `rgb(167, 155, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 155, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 155, 235);  
box-shadow:4px 4px 4px 4px rgb(167, 155,  
235) }
```

Background

The CSS property to change the background color of an element to XYZ 42.6531, 37.6563, 83.6176 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 155, 235) }
```

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

```
.background{ background-color: rgb(167,  
155, 235) }
```

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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