

Converting Colors

XYZ(41.6992, 37.3940, 82.8874)

Have a look what the booklet for
XYZ(41.6992, 37.3940, 82.8874)
contains.

XYZ(41.6400, 37.3988, 82.8659)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(41.6400, 37.3988,
82.8659)**

Conversions

Conversions Part 1

Format	Color
Hex	A29CEA
RGB	162, 156, 234
RGB Percent	64%, 61%, 92%
CMY	0.3647, 0.3882, 0.0823
CMYK	0.31, 0.33, 0.00, 0.08
HSL	245°, 65%, 76%
HSV	245°, 33%, 92%
XYZ	41.6400, 37.3988, 82.8659
YIQ	166.6860, -21.4620, 25.5300

Conversions

Conversions Part 2

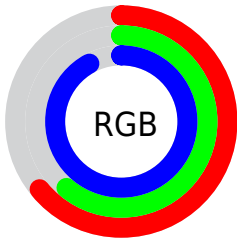
Format	Color
R_{YB}	162, 156, 234
Decimal	10657002
CIE _{Lab}	67.58, 19.51, -38.51
CIE _{LCh}	68, 43.166, 296.869
Yxy	37.3988, 0.2572, 0.2310
Android (android.graphics.Color)	4288847082 (0xFFA29CEA)
YUV	166.6860, 33.1858, -4.1096
Hunter-Lab	61.1546, 14.5198, -37.5312

Details

The XYZ color **41.6400, 37.3988, 82.8659** is a light color, and the websafe version is hex **9999FF**. A complement of this color would be **67.4192, 77.7406, 42.9059**, and the grayscale version is **36.4303, 38.3275, 41.7387**.

A 20% lighter version of the original color is **70.0100, 68.2186, 104.0853**, and **19.2718, 16.5056, 44.2897** is the 20% darker color. If you saturate the color by 10%, you get **34.0680, 28.2176, 81.4935**, and if you desaturate by 10%, it is **50.7247, 48.4840, 84.5274**.

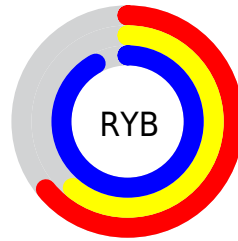
Distribution



Red (64%)

Green (61%)

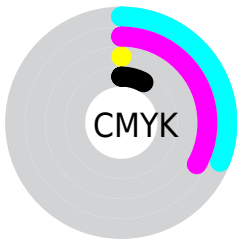
Blue (92%)



Red (64%)

Yellow (61%)

Blue (92%)

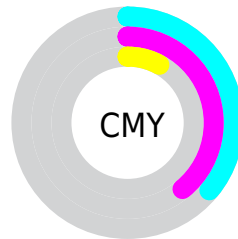


Cyan (31%)

Magenta (33%)

Yellow (0%)

Black (8%)



Cyan (36%)

Magenta (39%)

Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 41.6400, 37.3988, 82.8659 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 41.6400, 37.3988, 82.8659 by changing the saturation by 10% instead.

■ 41.6400, 37.3988,
82.8659

■ 41.6400, 37.3988,
82.8659

344.0055,
335.0339, 524.4988

■ 29.0094, 25.5164,
61.5396

■ 76.9231, 71.1857,
139.2352

■ 19.2322, 16.4622,
44.2274

■ 100.3062, 93.8590,
175.1152

■ 11.9432, 9.8518,
30.5108

128.0043,
120.8981, 216.6835

■ 6.7769, 5.3008,
19.9713

160.3826,
152.6874, 264.3587

■ 3.3681, 2.4248,
12.1903

197.8065,
189.6112, 318.5593

■ 1.3513, 0.8386,
6.7493

240.6414,

■ 0.2211, 0.0000,

232.0539, 379.7038

3.2298

289.2526,
280.4000, 448.2108

■ 0.0000, 0.0000,
1.2131

■ 0.0000, 0.0000,
0.0000

■ 41.6400, 37.3988,
82.8659

■ 41.6400, 37.3988,
82.8659

■ 34.0680, 28.2176,
81.4935

■ 50.7247, 48.4840,
84.5274

■ 27.9225, 20.8292,
80.3913

■ 61.3938, 61.5676,
86.4905

■ 23.1149, 15.1173,
79.5422

■ 73.7196, 76.7428,
88.7700

■ 19.5451, 10.9501,
78.9260

■ 87.7684, 94.0958,
91.3790

■ 17.0985, 8.1761,
78.5195

■ 91.8514, 98.7206,
92.0564

■ 15.6391, 6.6130,
78.2947

■ 15.1009, 6.0692,
78.2181

Harmonies

Analogous

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



34.8532, 37.3988, 89.2815



41.6400, 37.3988, 82.8659



47.3568, 37.3988, 64.1756

Triad

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



41.6400, 37.3988, 82.8659



42.9977, 37.3988, 17.1200



24.2531, 37.3988, 38.7549

Complementary

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



41.6400, 37.3988, 82.8659



67.4192, 77.7406, 42.9059

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.



25.8836, 37.3988, 23.8157



41.6400, 37.3988, 82.8659



36.2489, 37.3988, 14.0203

Square

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



41.6400, 37.3988, 82.8659



48.2068, 37.3988, 26.3196



30.0784, 37.3988, 16.0227



25.3229, 37.3988, 59.6009

Rectangle

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



41.6400, 37.3988, 82.8659



49.4990, 37.3988, 49.6130



30.0784, 37.3988, 16.0227



24.4981, 37.3988, 32.9604

Sweetspot

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



41.6413, 37.4002, 82.8668



79.3121, 80.6016, 105.9852



56.5266, 68.9373, 88.1695



16.5384, 16.7137, 22.6043



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.



41.6413, 37.4002, 82.8668



44.1082, 37.5636, 99.5335



50.6138, 42.0257, 83.2867



14.3385, 14.6043, 18.9854



8.5256, 3.4310, 43.9559



0.7069, 0.2887, 3.4533

Inverse Universe

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



59.8247, 46.8720, 79.2935



69.4435, 50.7674, 94.2590



56.6099, 72.1682, 42.4001



15.6619, 15.2926, 18.7708



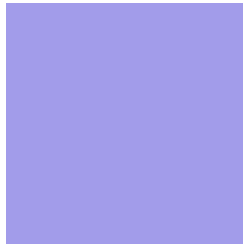
26.0542, 12.6244, 37.6822



2.0608, 0.9973, 3.0375

Previews

White Background



This preview shows how the XYZ color 41.6400, 37.3988, 82.8659 looks on a white background.

Color Contrast Check

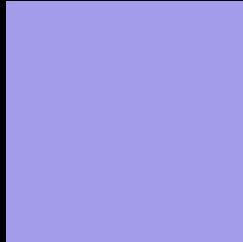
Large Text (above 18pt) WCAG AA × Fail

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 41.6400, 37.3988, 82.8659 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

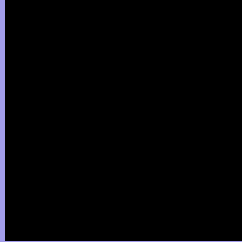
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 41.6400, 37.3988, 82.8659

Background



This preview shows how black text looks on a background with the XYZ color 41.6400, 37.3988, 82.8659.



This preview shows how white text looks on a background with the XYZ color 41.6400, 37.3988,

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

41.6400, 37.3988, 82.8659

Protanopia

39.1478, 37.5616, 86.8482

Deuteranopia

38.6204, 37.6530, 82.3230



Tritanopia

34.8194, 37.5120, 48.5854

Trichromacy



Original Color

41.6400, 37.3988, 82.8659

Protanomaly

39.8895, 37.4591, 85.2487

Deuteranomaly

39.4915, 37.3207, 82.2130

Tritanomaly

37.0401, 37.3331, 59.8974

Monochromacy



Original Color

41.6400, 37.3988, 82.8659

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

38.0182, 37.9553, 54.6125

CSS Examples

Text

The CSS property to change the color of the text to XYZ 41.6400, 37.3988, 82.8659 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, 156, 234)` looks like.

```
.text, #text, p{  
    color:rgb(162, 156, 234)  
}
```

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, 156, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(162, 156, 234) }
```

Border

The CSS property to change the border of an element to XYZ 41.6400, 37.3988, 82.8659 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, 156, 234) }
```


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

```
.border{ border-color:rgb(162, 156, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(162, 156, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(162, 156, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(162, 156, 234);  
box-shadow:4px 4px 4px 4px rgb(162, 156,  
234) }
```

Background

The CSS property to change the background color of an element to XYZ 41.6400, 37.3988, 82.8659 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(162, 156, 234) }
```

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

```
.background{ background-color: rgb(162,  
156, 234) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor