

Converting Colors

XYZ(40.7672, 37.8792, 79.5630)

Have a look what the booklet for
XYZ(40.7672, 37.8792, 79.5630)
contains.

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Color

**XYZ(40.6415, 37.7225,
79.2679)**

Conversions

Conversions Part 1

Format	Color
Hex	9E9FE5
RGB	158, 159, 229
RGB Percent	62%, 62%, 90%
CMY	0.3804, 0.3765, 0.1020
CMYK	0.31, 0.31, 0.00, 0.10
HSL	239°, 58%, 76%
HSV	239°, 31%, 90%
XYZ	40.6415, 37.7225, 79.2679
YIQ	166.6810, -23.0660, 21.5580

Conversions

Conversions Part 2

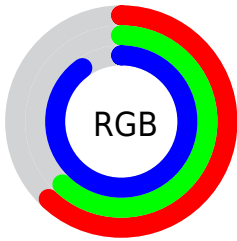
Format	Color
R_{YB}	158, 159, 229
Decimal	10395621
CIE _{Lab}	67.82, 15.41, -35.41
CIE _{LCh}	68, 38.618, 293.523
Yxy	37.7225, 0.2578, 0.2393
Android (android.graphics.Color)	4288585701 (0xFF9E9FE5)
YUV	166.6810, 30.7233, -7.6132
Hunter-Lab	61.4186, 10.6331, -33.5276

Details

The XYZ color **40.6415, 37.7225, 79.2679** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **66.2288, 74.6141, 43.2604**, and the grayscale version is **36.4400, 38.3377, 41.7498**.

A 20% lighter version of the original color is **69.8281, 69.6093, 104.3633**, and **18.6143, 16.6853, 41.7747** is the 20% darker color. If you saturate the color by 10%, you get **33.0155, 28.5451, 77.8991**, and if you desaturate by 10%, it is **49.8185, 48.7536, 80.9141**.

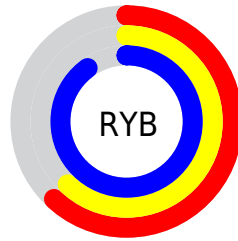
Distribution



Red (62%)

Green (62%)

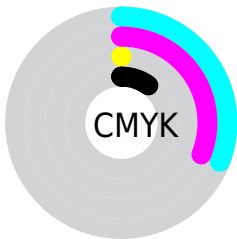
Blue (90%)



Red (62%)

Yellow (62%)

Blue (90%)

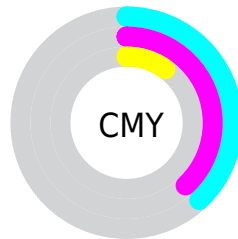


Cyan (31%)

Magenta (31%)

Yellow (0%)

Black (10%)



Cyan (38%)

Magenta (38%)

Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.6415, 37.7225, 79.2679 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 40.6415, 37.7225, 79.2679 by changing the saturation by 10% instead.

■ 40.6415, 37.7225,
79.2679

■ 40.6415, 37.7225,
79.2679

339.9083,
336.4281, 512.1037

■ 28.2255, 25.7674,
58.5935

■ 75.4175, 71.6826,
134.1380

■ 18.6370, 16.6497,
41.8681

■ 98.5083, 94.4564,
169.1708

■ 11.5108, 9.9851,
28.6732

125.8880,
121.6052, 209.8268

■ 6.4813, 5.3890,
18.5903

157.9220,
153.5134, 256.5245

■ 3.1833, 2.4773,
11.2008

194.9757,
190.5654, 309.6826

■ 1.2514, 0.8652,
6.0862

237.4144,

■ 0.1464, 0.0000,

233.1455, 369.7194

2.8279

285.6034,
281.6383, 437.0536

■ 0.0000, 0.0000,
1.0075

■ 0.0000, 0.0000,
0.0000

■ 40.6415, 37.7225,
79.2679

■ 40.6415, 37.7225,
79.2679

■ 33.0155, 28.5451,
77.8991

■ 49.8185, 48.7536,
80.9141

■ 26.8511, 21.1157,
76.7900

■ 60.6214, 61.7277,
82.8490

■ 22.0562, 15.3246,
75.9249

■ 73.1248, 76.7335,
85.0864

■ 18.5263, 11.0481,
75.2855

■ 87.3979, 93.8530,
87.6385

■ 16.1420, 8.1448,
74.8508

■ 91.1430, 98.4372,
88.3260

■ 14.7611, 6.4467,
74.5958

■ 14.1780, 5.7272,
74.4876

Harmonies

Analogous

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



34.5726, 37.7225, 83.2483



40.6415, 37.7225, 79.2679



45.9167, 37.7225, 63.9245

Triad

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



40.6415, 37.7225, 79.2679



43.1332, 37.7225, 19.8778



25.6002, 37.7225, 37.4695

Complementary

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



40.6415, 37.7225, 79.2679



66.2288, 74.6141, 43.2604

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.



27.3808, 37.7225, 24.4425



40.6415, 37.7225, 79.2679



37.1669, 37.7225, 16.2737

Square

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



40.6415, 37.7225, 79.2679



47.4634, 37.7225, 29.2831



31.4582, 37.7225, 17.6748



26.3113, 37.7225, 55.6670

Rectangle

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



40.6415, 37.7225, 79.2679



48.0484, 37.7225, 51.1390



31.4582, 37.7225, 17.6748



25.9201, 37.7225, 32.4236

Sweetspot

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



40.6428, 37.7240, 79.2688



80.3068, 82.3078, 106.2621



56.0990, 68.8999, 83.6084



16.7152, 17.0486, 22.6597



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.



40.6428, 37.7240, 79.2688



45.5942, 40.5941, 100.0401



48.1894, 41.3600, 79.5729



13.5991, 13.9195, 18.1143



8.1135, 3.2891, 42.5904



0.6053, 0.2546, 3.1492

Inverse Universe

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



50.7990, 43.6162, 38.5437



60.4435, 49.2355, 40.4904



56.6158, 70.0681, 42.8896



14.3852, 14.3713, 14.9629



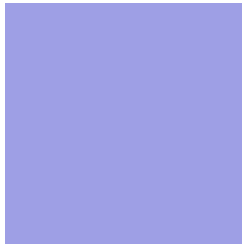
18.4888, 9.5297, 0.9372



1.3692, 0.7054, 0.0846

Previews

White Background



This preview shows how the XYZ color 40.6415, 37.7225, 79.2679 looks on a white background.

Color Contrast Check

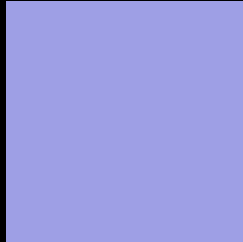
Large Text (above 18pt) WCAG AA × Fail

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 40.6415, 37.7225, 79.2679 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

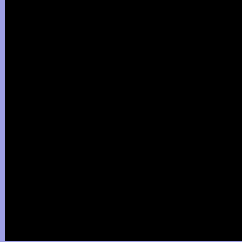
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 40.6415, 37.7225, 79.2679

Background



This preview shows how black text looks on a background with the XYZ color 40.6415, 37.7225, 79.2679.



This preview shows how white text looks on a background with the XYZ color 40.6415, 37.7225,

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

40.6415, 37.7225, 79.2679

Protanopia

39.1643, 37.9499, 81.6048

Deuteranopia

38.7778, 37.8156, 78.6541



Tritanopia

34.6589, 37.6786, 49.7019

Trichromacy



Original Color

40.6415, 37.7225, 79.2679

Protanomaly

39.7386, 37.9997, 80.8415

Deuteranomaly

39.5016, 37.9261, 78.6373

Tritanomaly

36.7128, 37.7092, 59.3765

Monochromacy



Original Color

40.6415, 37.7225, 79.2679

Achromatopsia

36.7301, 38.6429, 42.0822

Achromatomaly

37.8796, 38.1611, 54.0846

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6415, 37.7225, 79.2679 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(158, 159, 229)` looks like.

```
.text, #text, p{  
    color:rgb(158, 159, 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(158, 159, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(158, 159, 229) }
```

Border

The CSS property to change the border of an element to XYZ 40.6415, 37.7225, 79.2679 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(158, 159, 229) }
```


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

```
.border{ border-color:rgb(158, 159, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(158, 159, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(158, 159, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(158, 159, 229);  
box-shadow:4px 4px 4px 4px rgb(158, 159,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6415, 37.7225, 79.2679 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(158, 159, 229) }
```

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

```
.background{ background-color: rgb(158,  
159, 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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