

Converting Colors

XYZ(42.1743, 40.0773, 67.8010)

Have a look what the booklet for
XYZ(42.1743, 40.0773, 67.8010)
contains.

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Color

**XYZ(42.1724, 40.0750,
67.7999)**

Conversions

Conversions Part 1

Format	Color
Hex	ACA4D4
RGB	172, 164, 212
RGB Percent	67%, 64%, 83%
CMY	0.3255, 0.3568, 0.1686
CMYK	0.19, 0.23, 0.00, 0.17
HSL	250°, 36%, 74%
HSV	250°, 23%, 83%
XYZ	42.1724, 40.0750, 67.7999
YIQ	171.8640, -10.6400, 16.6240

Conversions

Conversions Part 2

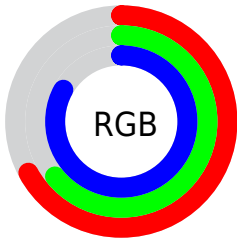
Format	Color
RYB	172, 164, 212
Decimal	11314388
CIELab	69.52, 12.73, -23.33
CIElCh	70, 26.577, 298.607
Yxy	40.0750, 0.2811, 0.2671
Android (android.graphics.Color)	4289504468 (0xFFACA4D4)
YUV	171.8640, 19.7870, 0.1193
Hunter-Lab	63.3048, 8.1297, -19.1866

Details

The XYZ color **42.1724, 40.0750, 67.7999** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **55.1473, 62.6056, 44.3012**, and the grayscale version is **39.0520, 41.0857, 44.7423**.

A 20% lighter version of the original color is **75.3764, 74.3770, 104.9912**, and **19.4877, 17.9446, 34.3348** is the 20% darker color. If you saturate the color by 10%, you get **35.0671, 31.2425, 66.4702**, and if you desaturate by 10%, it is **50.4281, 50.4413, 69.3663**.

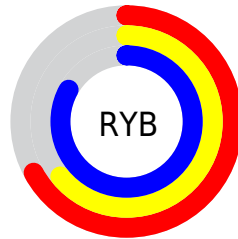
Distribution



Red (67%)

Green (64%)

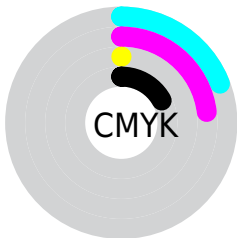
Blue (83%)



Red (67%)

Yellow (64%)

Blue (83%)

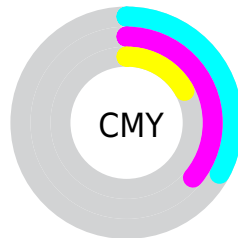


Cyan (19%)

Magenta (23%)

Yellow (0%)

Black (17%)



Cyan (33%)

Magenta (36%)

Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.1724, 40.0750, 67.7999 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 42.1724, 40.0750, 67.7999 by changing the saturation by 10% instead.

■ 42.1724, 40.0750,
67.7999

■ 42.1724, 40.0750,
67.7999

346.1766,
346.4396, 471.3655

■ 29.4280, 27.5970,
49.2693

■ 77.7240, 75.2777,
117.7173

■ 19.5507, 18.0221,
34.4660

■ 101.2619, 98.7712,
149.9413

■ 12.1753, 10.9659,
22.9716

129.1284,
126.7054, 187.5667

■ 6.9362, 6.0439,
14.3674

161.6888,
159.4646, 231.0122

■ 3.4682, 2.8718,
8.2350

199.3085,
197.4332, 280.6963

■ 1.4059, 1.0652,
4.1558

242.3527,

■ 0.2604, 0.0000,

240.9956, 337.0375

1.7112

291.1870,
290.5363, 400.4544

■ 0.0000, 0.0000,
0.3684

■ 0.0000, 0.0000,
0.0000

■ 42.1724, 40.0750,
67.7999

■ 42.1724, 40.0750,
67.7999

■ 35.0671, 31.2425,
66.4702

■ 50.4281, 50.4413,
69.3663

■ 29.0570, 23.8657,
65.3631

■ 59.8787, 62.4047,
71.1774

■ 24.0877, 17.8674,
64.4672

■ 70.5708, 76.0307,
73.2440

■ 20.0988, 13.1609,
63.7690

■ 82.5475, 91.3799,
75.5754

■ 17.0234, 9.6494,
63.2533

■ 88.8838, 97.5335,
76.4292

■ 14.7860, 7.2227,
62.9028

■ 13.2979, 5.7490,
62.6968

■ 12.5882, 5.1167,
62.6122

Harmonies

Analogous

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



37.8901, 40.0750, 71.7280



42.1724, 40.0750, 67.7999



45.5643, 40.0750, 57.1156

Triad

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



42.1724, 40.0750, 67.7999



42.5448, 40.0750, 26.4341



30.4333, 40.0750, 43.0637

Complementary

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



42.1724, 40.0750, 67.7999



55.1473, 62.6056, 44.3012

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.



31.4815, 40.0750, 32.4621



42.1724, 40.0750, 67.7999



38.2907, 40.0750, 24.0422

Square

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



42.1724, 40.0750, 67.7999



45.7904, 40.0750, 33.2848



34.2801, 40.0750, 26.0255



31.3054, 40.0750, 55.9348

Rectangle

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



42.1724, 40.0750, 67.7999



46.7505, 40.0750, 48.4637



34.2801, 40.0750, 26.0255



30.5712, 40.0750, 39.1379

Sweetspot

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



42.1737, 40.0766, 67.8008



84.3552, 86.4224, 106.8429



48.9782, 56.2141, 70.5570



17.8675, 18.2599, 22.8327



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.



42.1737, 40.0766, 67.8008



58.8302, 54.3558, 101.9988



47.7178, 42.9347, 68.0603



11.9335, 12.1071, 15.6455



7.8283, 3.1881, 38.6559



0.5329, 0.2236, 2.3344

Inverse Universe

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



51.3271, 44.9091, 63.0912



75.0878, 62.9439, 93.4029



49.2547, 59.5679, 44.0254



12.8600, 12.5955, 15.2031



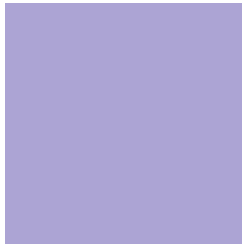
21.6728, 10.6054, 26.6448



1.3314, 0.6493, 1.7343

Previews

White Background



This preview shows how the XYZ color 42.1724, 40.0750, 67.7999 looks on a white background.

Color Contrast Check

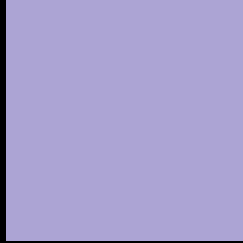
Large Text (above 18pt) WCAG AA × Fail

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 42.1724, 40.0750, 67.7999 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

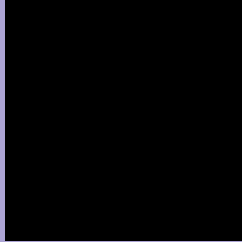
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 42.1724, 40.0750, 67.7999

Background



This preview shows how black text looks on a background with the XYZ color 42.1724, 40.0750, 67.7999.



This preview shows how white text looks on a background with the XYZ color 42.1724, 40.0750,

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

42.1724, 40.0750, 67.7999

Protanopia

40.3689, 40.1807, 69.9180

Deuteranopia

41.0369, 40.0252, 67.8501



Tritanopia

38.6716, 40.0103, 50.4843

Trichromacy



Original Color

42.1724, 40.0750, 67.7999

Protanomaly

41.0606, 40.2790, 69.2288

Deuteranomaly

41.4872, 39.9886, 67.8193

Tritanomaly

39.9185, 39.9675, 56.6495

Monochromacy



Original Color

42.1724, 40.0750, 67.7999

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.1709, 40.7344, 52.7590

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.1724, 40.0750, 67.7999 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(172, 164, 212)` looks like.

```
.text, #text, p{  
    color:rgb(172, 164, 212)  
}
```

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(172, 164, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(172, 164, 212) }
```

Border

The CSS property to change the border of an element to XYZ 42.1724, 40.0750, 67.7999 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(172, 164, 212) }
```


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

```
.border{ border-color:rgb(172, 164, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(172, 164, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(172, 164, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(172, 164, 212);  
box-shadow:4px 4px 4px 4px rgb(172, 164,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 42.1724, 40.0750, 67.7999 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(172, 164, 212) }
```

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

```
.background{ background-color: rgb(172,  
164, 212) }
```

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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