

Converting Colors

XYZ(42.5957, 40.9649, 74.0686)

Have a look what the booklet for
XYZ(42.5957, 40.9649, 74.0686)
contains.

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Color

**XYZ(42.5957, 40.9649,
74.0686)**

Conversions

Conversions Part 1

Format	Color
Hex	A6A7DD
RGB	166, 167, 221
RGB Percent	65%, 65%, 87%
CMY	0.3490, 0.3451, 0.1333
CMYK	0.25, 0.24, 0.00, 0.13
HSL	239°, 45%, 76%
HSV	239°, 25%, 87%
XYZ	42.5957, 40.9649, 74.0686
YIQ	172.8570, -17.9300, 16.5820

Conversions

Conversions Part 2

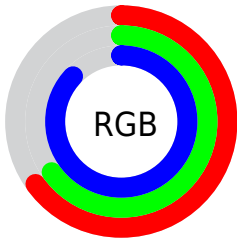
Format	Color
RYB	166, 167, 221
Decimal	10921949
CIELab	70.15, 11.29, -27.36
CIELCh	70, 29.596, 292.421
Yxy	40.9649, 0.2702, 0.2599
Android (android.graphics.Color)	4289112029 (0xFFA6A7DD)
YUV	172.8570, 23.7345, -6.0136
Hunter-Lab	64.0038, 6.7883, -23.8108

Details

The XYZ color **42.5957, 40.9649, 74.0686** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **62.2953, 69.3118, 46.1727**, and the grayscale version is **39.5382, 41.5973, 45.2995**.

A 20% lighter version of the original color is **74.2955, 74.9921, 105.1669**, and **19.8237, 18.5254, 38.6073** is the 20% darker color. If you saturate the color by 10%, you get **34.7080, 31.4854, 72.6553**, and if you desaturate by 10%, it is **51.9490, 52.1917, 75.7433**.

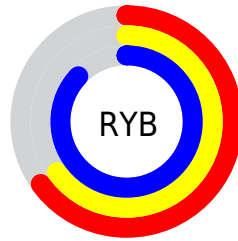
Distribution



Red (65%)

Green (65%)

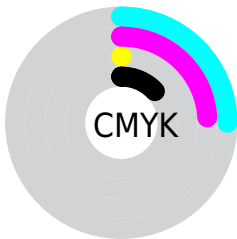
Blue (87%)



Red (65%)

Yellow (65%)

Blue (87%)

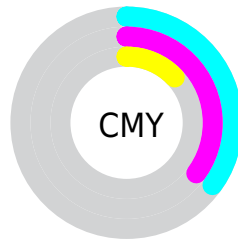


Cyan (25%)

Magenta (24%)

Yellow (0%)

Black (13%)



Cyan (35%)

Magenta (35%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 42.5957, 40.9649, 74.0686 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 42.5957, 40.9649, 74.0686 by changing the saturation by 10% instead.

■ 42.5957, 40.9649,
74.0686

■ 42.5957, 40.9649,
74.0686

347.8962,
350.1739, 493.8798

■ 29.7612, 28.2917,
54.3531

■ 78.3599, 76.6306,
126.7280

■ 19.8045, 18.5456,
38.4889

■ 102.0203,
100.3919, 160.5089

■ 12.3605, 11.3424,
26.0576

130.0201,
128.6179, 199.8154

■ 7.0636, 6.2977,
16.6406

162.7245,
161.6932, 245.0659

■ 3.5486, 3.0269,
9.8193

200.4990,
200.0020, 296.6791

■ 1.4501, 1.1458,
5.1753

243.7088,

■ 0.2915, 0.0168,

243.9288, 355.0735

2.2899

292.7195,
293.8580, 420.6675

■ 0.0000, 0.0000,
0.7256

■ 0.0000, 0.0000,
0.0000

■ 42.5957, 40.9649,
74.0686

■ 42.5957, 40.9649,
74.0686

■ 34.7080, 31.4854,
72.6553

■ 51.9490, 52.1917,
75.7433

■ 28.2080, 23.6610,
71.4876

■ 62.8326, 65.2424,
77.6887

■ 23.0165, 17.3980,
70.5524

■ 75.3122, 80.1948,
79.9171

■ 19.0449, 12.5920,
69.8340

■ 89.4485, 97.1207,
82.4390

■ 16.1936, 9.1253,
69.3152

■ 90.0513, 98.0005,
82.5771

■ 14.3473, 6.8623,
68.9757

■ 13.3658, 5.6388,
68.7912

■ 13.0950, 5.3079,
68.7417

Harmonies

Analogous

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



37.7209, 40.9649, 76.5965



42.5957, 40.9649, 74.0686



46.7897, 40.9649, 62.9196

Triad

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



42.5957, 40.9649, 74.0686



44.8938, 40.9649, 26.6348



30.4175, 40.9649, 41.1789

Complementary

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



42.5957, 40.9649, 74.0686



62.2953, 69.3118, 46.1727

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.



32.0141, 40.9649, 30.2397



42.5957, 40.9649, 74.0686



40.1767, 40.9649, 23.0511

Square

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



42.5957, 40.9649, 74.0686



48.1914, 40.9649, 35.1879



35.4920, 40.9649, 24.2182



30.9485, 40.9649, 55.5653

Rectangle

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



42.5957, 40.9649, 74.0686



48.5021, 40.9649, 53.1506



35.4920, 40.9649, 24.2182



30.7183, 40.9649, 37.0262

Sweetspot

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



42.5970, 40.9665, 74.0695



83.4471, 86.0942, 106.8274



54.3914, 64.9440, 76.8024



17.6580, 18.1842, 22.8292



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.



42.5970, 40.9665, 74.0695



52.8247, 49.3435, 101.3478



48.3423, 43.6570, 74.2860



12.3576, 12.6550, 16.4435



7.6159, 3.1012, 39.9356



0.5002, 0.2146, 2.5895

Inverse Universe

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



50.4311, 45.4357, 42.6730



65.4874, 56.5911, 50.5944



55.3322, 66.1135, 45.9224



13.0656, 13.0553, 13.6068



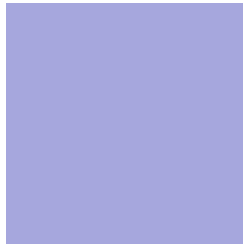
17.3395, 8.9368, 0.9017



1.1268, 0.5804, 0.0766

Previews

White Background



This preview shows how the XYZ color 42.5957, 40.9649, 74.0686 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 42.5957, 40.9649, 74.0686 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 42.5957, 40.9649, 74.0686

Background



This preview shows how black text looks on a background with the XYZ color 42.5957, 40.9649, 74.0686.



This preview shows how white text looks on a background with the XYZ color 42.5957, 40.9649,

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

42.5957, 40.9649, 74.0686

Protanopia

41.4119, 40.8717, 75.5184

Deuteranopia

41.9541, 40.9071, 74.0913



Tritanopia

38.2113, 40.8459, 52.8838

Trichromacy



Original Color

42.5957, 40.9649, 74.0686

Protanomaly

41.6847, 40.7528, 74.7763

Deuteranomaly

42.1580, 41.0123, 74.1008

Tritanomaly

39.7720, 40.9307, 59.8370

Monochromacy



Original Color

42.5957, 40.9649, 74.0686

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

40.4347, 41.3896, 54.5730

CSS Examples

Text

The CSS property to change the color of the text to XYZ 42.5957, 40.9649, 74.0686 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(166, 167, 221)` looks like.

```
.text, #text, p{  
    color:rgb(166, 167, 221)  
}
```

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(166, 167, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(166, 167, 221) }
```

Border

The CSS property to change the border of an element to XYZ 42.5957, 40.9649, 74.0686 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(166, 167, 221) }
```


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

```
.border{ border-color:rgb(166, 167, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(166, 167, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(166, 167, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(166, 167, 221);  
box-shadow:4px 4px 4px 4px rgb(166, 167,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 42.5957, 40.9649, 74.0686 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(166, 167, 221) }
```

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

```
.background{ background-color: rgb(166,  
167, 221) }
```

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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