

Converting Colors

XYZ(40.2827, 35.9913, 73.2536)

Have a look what the booklet for
XYZ(40.2827, 35.9913, 73.2536)
contains.

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Color

**XYZ(40.2157, 35.8924,
73.2149)**

Conversions

Conversions Part 1

Format	Color
Hex	A798DD
RGB	167, 152, 221
RGB Percent	65%, 60%, 87%
CMY	0.3451, 0.4039, 0.1333
CMYK	0.24, 0.31, 0.00, 0.13
HSL	253°, 50%, 73%
HSV	253°, 31%, 87%
XYZ	40.2157, 35.8924, 73.2149
YIQ	164.3510, -13.2090, 24.6390

Conversions

Conversions Part 2

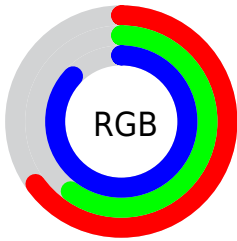
Format	Color
RYB	167, 152, 221
Decimal	10983645
CIELab	66.44, 20.03, -33.08
CIELCh	66, 38.675, 301.195
Yxy	35.8924, 0.2693, 0.2404
Android (android.graphics.Color)	4289173725 (0xFFA798DD)
YUV	164.3510, 27.9280, 2.3232
Hunter-Lab	59.9103, 14.9779, -30.5197

Details

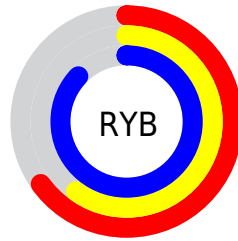
The XYZ color **40.2157, 35.8924, 73.2149** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **56.9785, 67.1025, 39.6562**, and the grayscale version is **35.3303, 37.1702, 40.4784**.

A 20% lighter version of the original color is **70.5527, 67.0506, 103.8313**, and **18.4760, 15.6379, 38.1210** is the 20% darker color. If you saturate the color by 10%, you get **33.5448, 27.6163, 71.9697**, and if you desaturate by 10%, it is **48.0460, 45.7598, 74.7074**.

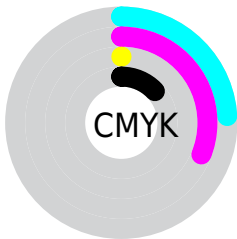
Distribution



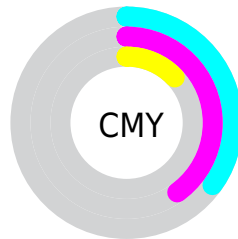
- Red (65%)
- Green (60%)
- Blue (87%)



- Red (65%)
- Yellow (60%)
- Blue (87%)



- Cyan (24%)
- Magenta (31%)
- Yellow (0%)
- Black (13%)



- Cyan (35%)
- Magenta (40%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 40.2157, 35.8924, 73.2149 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 40.2157, 35.8924, 73.2149 by changing the saturation by 10% instead.

■ 40.2157, 35.8924,
73.2149

■ 40.2157, 35.8924,
73.2149

338.1507,
328.4900, 490.8500

■ 27.8917, 24.3511,
53.6588

■ 74.7741, 68.8660,
125.5060

■ 18.3841, 15.5943,
37.9376

■ 97.7393, 91.0670,
159.0781

■ 11.3275, 9.2375,
25.6328

124.9822,
117.5901, 198.1592

■ 6.3564, 4.8964,
16.3259

156.8682,
148.8196, 243.1680

■ 3.1057, 2.1866,
9.5982

193.7627,
185.1400, 294.5229

■ 1.2099, 0.7127,
5.0313

236.0311,

■ 0.1142, 0.0000,

226.9356, 352.6425

2.2066

284.0386,
274.5908, 417.9454

■ 0.0000, 0.0000,
0.6781

■ 0.0000, 0.0000,
0.0000

■ 40.2157, 35.8924,
73.2149

■ 40.2157, 35.8924,
73.2149

■ 33.5448, 27.6163,
71.9697

■ 48.0460, 45.7598,
74.7074

■ 27.9732, 20.8429,
70.9559

■ 57.0846, 57.2922,
76.4570

■ 23.4408, 15.4814,
70.1599

■ 67.3818, 70.5639,
78.4760

■ 19.8799, 11.4293,
69.5655

■ 78.9841, 85.6433,
80.7751

■ 17.2143, 8.5697,
69.1540

■ 89.4948, 97.7136,
82.5509

■ 15.3555, 6.7643,
68.9035

■ 90.0513, 98.0005,
82.5770

■ 14.2722, 5.8499,
68.7841

Harmonies

Analogous

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



34.3475, 35.8924, 80.4399



40.2157, 35.8924, 73.2149



44.8362, 35.8924, 56.5555

Triad

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



40.2157, 35.8924, 73.2149



39.7683, 35.8924, 17.2616



24.1457, 35.8924, 39.7499

Complementary

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



40.2157, 35.8924, 73.2149



56.9785, 67.1025, 39.6562

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.



25.2550, 35.8924, 25.6366



40.2157, 35.8924, 73.2149



33.8828, 35.8924, 15.0756

Square

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



40.2157, 35.8924, 73.2149



44.5580, 35.8924, 24.7763



28.6641, 35.8924, 17.6504



25.4456, 35.8924, 58.0429

Rectangle

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



40.2157, 35.8924, 73.2149



46.3492, 35.8924, 44.1702



28.6641, 35.8924, 17.6504



24.2482, 35.8924, 34.3980

Sweetspot

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



40.2169, 35.8938, 73.2157



81.8588, 82.9726, 106.3086



48.0844, 56.0636, 76.6942



17.0940, 17.2109, 22.6710



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.



40.2169, 35.8938, 73.2157



49.8275, 42.4308, 100.1715



48.4890, 40.1582, 73.6028



12.6020, 12.7530, 16.4495



8.3697, 3.4389, 39.9610



0.6161, 0.2609, 2.5923

Inverse Universe

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



52.1886, 42.2861, 63.8049



68.8455, 52.5963, 84.7346



48.4397, 62.7006, 39.2566



13.4869, 13.2238, 15.8251



21.7452, 10.6991, 24.1018



1.4395, 0.7054, 1.7231

Previews

White Background



This preview shows how the XYZ color 40.2157, 35.8924, 73.2149 looks on a white background.

Color Contrast Check

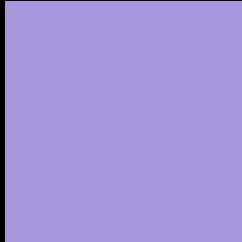
Large Text (above 18pt) WCAG AA × Fail

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 40.2157, 35.8924, 73.2149 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 40.2157, 35.8924, 73.2149

Background



This preview shows how black text looks on a background with the XYZ color 40.2157, 35.8924, 73.2149.



This preview shows how white text looks on a background with the XYZ color 40.2157, 35.8924,

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

40.2157, 35.8924, 73.2149

Protanopia

37.2478, 36.0050, 77.6595

Deuteranopia

36.6859, 35.8400, 72.0021



Tritanopia

34.4854, 35.8148, 45.1398

Trichromacy



Original Color

40.2157, 35.8924, 73.2149

Protanomaly

38.0568, 35.6972, 76.1186

Deuteranomaly

37.7556, 35.6196, 72.5955

Tritanomaly

36.3288, 35.7924, 54.2841

Monochromacy



Original Color

40.2157, 35.8924, 73.2149

Achromatopsia

35.2861, 37.1238, 40.4278

Achromatomaly

36.8448, 36.6437, 51.0300

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.2157, 35.8924, 73.2149 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, 152, 221)` looks like.

```
.text, #text, p{  
    color:rgb(167, 152, 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(167, 152, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 152, 221) }
```

Border

The CSS property to change the border of an element to XYZ 40.2157, 35.8924, 73.2149 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, 152, 221) }
```


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

```
.border{ border-color:rgb(167, 152, 221) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 152, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 152, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 152, 221);  
box-shadow:4px 4px 4px 4px rgb(167, 152,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 40.2157, 35.8924, 73.2149 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 152, 221) }
```

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

```
.background{ background-color: rgb(167,  
152, 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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