

Converting Colors

XYZ(51.2880, 39.9404, 71.1469)

Have a look what the booklet for
XYZ(51.2880, 39.9404, 71.1469)
contains.

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Color

**XYZ(51.3956, 40.0645,
71.3540)**

Conversions

Conversions Part 1

Format	Color
Hex	D991DA
RGB	217, 145, 218
RGB Percent	85%, 57%, 85%
CMY	0.1490, 0.4314, 0.1451
CMYK	0.00, 0.33, 0.00, 0.15
HSL	299°, 50%, 71%
HSV	299°, 33%, 85%
XYZ	51.3956, 40.0645, 71.3540
YIQ	174.8500, 19.4790, 37.9670

Conversions

Conversions Part 2

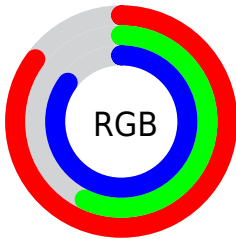
Format	Color
R_{YB}	217, 145, 218
Decimal	14258650
CIE Lab	69.52, 38.75, -26.28
CIE LCh	70, 46.818, 325.854
Yxy	40.0645, 0.3157, 0.2461
Android (android.graphics.Color)	4292448730 (0xFFD991DA)
YUV	174.8500, 21.2730, 36.9656
Hunter-Lab	63.2965, 34.1698, -22.5299

Details

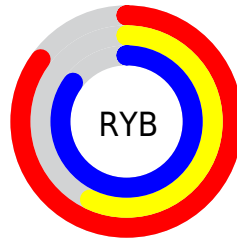
The XYZ color **51.3956, 40.0645, 71.3540** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.0376, 58.2991, 35.8273**, and the grayscale version is **40.5577, 42.6698, 46.4674**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **25.2232, 18.0501, 36.8049** is the 20% darker color. If you saturate the color by 10%, you get **48.2905, 33.9851, 70.3448**, and if you desaturate by 10%, it is **55.1425, 47.4258, 72.5780**.

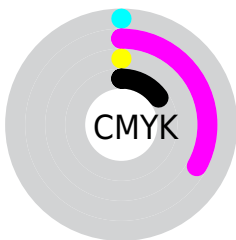
Distribution



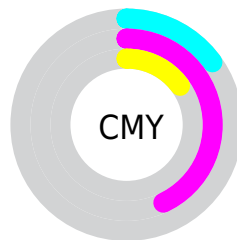
- Red (85%)
- Green (57%)
- Blue (85%)



- Red (85%)
- Yellow (57%)
- Blue (85%)



- Cyan (0%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)





- Cyan (15%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 51.3956, 40.0645, 71.3540 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 51.3956, 40.0645, 71.3540 by changing the saturation by 10% instead.


 51.3956, 40.0645,
71.3540


 51.3956, 40.0645,
71.3540


382.4612,
346.3954, 484.2069

 36.7459, 27.5888,
52.1475

 91.4188, 75.2617,
122.8368

 25.1836, 18.0159,
36.7396

 117.5229, 98.7521,
155.9502

 16.3433, 10.9614,
24.7118


148.1759,
126.6828, 194.5364

 9.8598, 6.0409,
15.6454

183.7432,
159.4382, 239.0138

 5.3677, 2.8700,
9.1219

224.5899,
197.4028, 289.8010

 2.5015, 1.0642,
4.7229

271.0816,

 0.8960, 0.0000,

240.9609, 347.3166

2.0297

323.5836,
290.4970, 411.9790

■ 0.0000, 0.0000,
0.5735

■ 0.0000, 0.0000,
0.0000

■ 51.3956, 40.0645,
71.3540

■ 51.3956, 40.0645,
71.3540

■ 48.2905, 33.9851,
70.3448

■ 55.1425, 47.4258,
72.5780

■ 45.7867, 29.1088,
69.5355

■ 59.5612, 56.1311,
74.0254

■ 43.8451, 25.3567,
68.9136

■ 64.6843, 66.2450,
75.7075

■ 42.4204, 22.6381,
68.4640

■ 70.5413, 77.8264,
77.6343

41.4602, 20.8484,
68.1691

77.1598, 90.9306,
79.8148

40.9012, 19.8607,
68.0080

77.5659, 91.6098,
79.9245

40.6842, 19.5116,
67.9520

77.6556, 91.6561,
79.9287

77.7455, 91.7024,
79.9329

77.8356, 91.7489,
79.9371

Harmonies

Analogous

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



44.7647, 40.0645, 92.7251



51.3956, 40.0645, 71.3540



54.4633, 40.0645, 46.6976

Triad

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



51.3956, 40.0645, 71.3540



39.1389, 40.0645, 13.9167



26.4578, 40.0645, 64.3705

Complementary

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



51.3956, 40.0645, 71.3540



42.0376, 58.2991, 35.8273

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.



25.3637, 40.0645, 40.6873



51.3956, 40.0645, 71.3540



32.0965, 40.0645, 15.8949

Square

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



51.3956, 40.0645, 71.3540



46.8193, 40.0645, 17.4774



27.2893, 40.0645, 24.2080



30.5022, 40.0645, 87.8461

Rectangle

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



51.3956, 40.0645, 71.3540



53.8135, 40.0645, 33.2272



27.2893, 40.0645, 24.2080



25.7577, 40.0645, 55.9893

Sweetspot

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



51.3969, 40.0663, 71.3549



87.3196, 84.7296, 106.3600



34.6460, 31.7083, 70.6245



18.4754, 17.7123, 22.6950



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.



51.3969, 40.0663, 71.3549



70.1694, 50.9986, 100.7531



47.5579, 38.5651, 49.5840



13.5959, 13.2653, 16.4960



24.3820, 11.6935, 40.7104



1.5854, 0.7605, 2.6377

Inverse Universe

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



44.2285, 37.2333, 32.0515



58.4970, 46.3888, 36.6159



45.0169, 59.4704, 52.4394



13.0632, 13.0544, 13.5943



17.3352, 8.9351, 0.8791



1.1257, 0.5799, 0.0706

Previews

White Background



This preview shows how the XYZ color 51.3956, 40.0645, 71.3540 looks on a white background.

Color Contrast Check

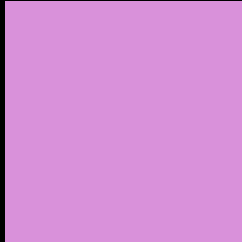
Large Text (above 18pt) WCAG AA × Fail

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 51.3956, 40.0645, 71.3540 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

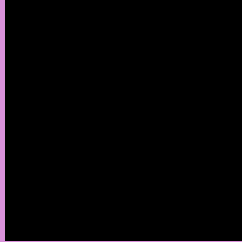
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 51.3956, 40.0645, 71.3540

Background



This preview shows how black text looks on a background with the XYZ color 51.3956, 40.0645, 71.3540.



This preview shows how white text looks on a background with the XYZ color 51.3956, 40.0645,

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

51.3956, 40.0645, 71.3540

Protanopia

41.5757, 40.4875, 84.2208

Deuteranopia

41.2662, 40.3850, 69.2384



Tritanopia

45.2747, 39.9343, 41.8811

Trichromacy



Original Color

51.3956, 40.0645, 71.3540



Protanomaly

44.1692, 39.7974, 79.4824



Deuteranomaly

44.1923, 39.7699, 69.6371



Tritanomaly

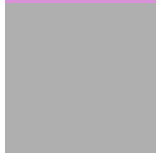
47.3701, 39.8245, 51.6446

Monochromacy



Original Color

51.3956, 40.0645, 71.3540



Achromatopsia

40.7470, 42.8690, 46.6844



Achromatomaly

43.9146, 41.2597, 54.9396

CSS Examples

Text

The CSS property to change the color of the text to XYZ 51.3956, 40.0645, 71.3540 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(217, 145, 218)` looks like.

```
.text, #text, p{  
    color:rgb(217, 145, 218)  
}
```

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(217, 145, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 145, 218) }
```

Border

The CSS property to change the border of an element to XYZ 51.3956, 40.0645, 71.3540 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(217, 145, 218) }
```


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

```
.border{ border-color:rgb(217, 145, 218) }
```

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

Here you see how a box with a 4 pixel rgb(217, 145, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 145, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 145, 218);  
box-shadow:4px 4px 4px 4px rgb(217, 145,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 51.3956, 40.0645, 71.3540 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 145, 218) }
```

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

```
.background{ background-color: rgb(217,  
145, 218) }
```

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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