

Converting Colors

XYZ(43.6718, 40.8525, 90.3233)

Have a look what the booklet for
XYZ(43.6718, 40.8525, 90.3233)
contains.

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Color

**XYZ(43.7185, 40.9116,
90.3865)**

Conversions

Conversions Part 1

Format	Color
Hex	9DA6F3
RGB	157, 166, 243
RGB Percent	62%, 65%, 95%
CMY	0.3843, 0.3490, 0.0471
CMYK	0.35, 0.32, 0.00, 0.05
HSL	234°, 78%, 78%
HSV	234°, 35%, 95%
XYZ	43.7185, 40.9116, 90.3865
YIQ	172.0870, -30.0810, 22.0390

Conversions

Conversions Part 2

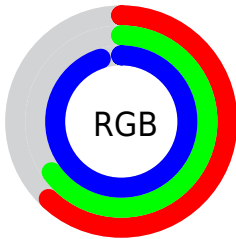
Format	Color
R _Y B	157, 165, 243
Decimal	10331891
CIE Lab	70.11, 14.78, -39.49
CIE LCh	70, 42.169, 290.521
Yxy	40.9116, 0.2498, 0.2338
Android (android.graphics.Color)	4288521971 (0xFF9DA6F3)
YUV	172.0870, 34.9601, -13.2313
Hunter-Lab	63.9622, 10.0719, -39.0106

Details

The XYZ color **43.7185, 40.9116, 90.3865** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **72.4719, 80.3358, 43.5867**, and the grayscale version is **39.0975, 41.1336, 44.7945**.

A 20% lighter version of the original color is **71.6380, 73.2290, 104.9666**, and **20.3597, 18.4046, 48.9337** is the 20% darker color. If you saturate the color by 10%, you get **35.8145, 31.4547, 88.9785**, and if you desaturate by 10%, it is **53.2372, 52.1957, 92.0636**.

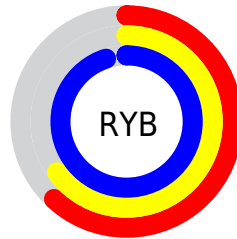
Distribution



Red (62%)

Green (65%)

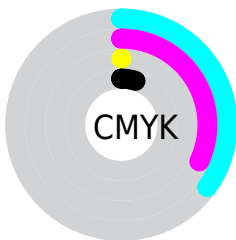
Blue (95%)



Red (62%)

Yellow (65%)

Blue (95%)

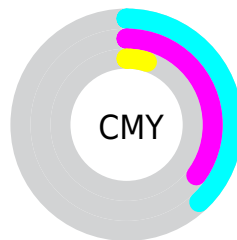


Cyan (35%)

Magenta (32%)

Yellow (0%)

Black (5%)



Cyan (38%)

Magenta (35%)

Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 43.7185, 40.9116, 90.3865 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 43.7185, 40.9116, 90.3865 by changing the saturation by 10% instead.

■ 43.7185, 40.9116,
90.3865

■ 43.7185, 40.9116,
90.3865

352.4300,
349.9510, 549.8898

■ 30.6462, 28.2500,
67.7257

■ 80.0430, 76.5497,
149.8154

■ 20.4801, 18.5142,
49.2093

■ 104.0259,
100.2950, 187.4205

■ 12.8548, 11.3198,
34.4188

132.3763,
128.5036, 230.8442

■ 7.4049, 6.2824,
22.9356

165.4598,
161.5600, 280.5050

■ 3.7652, 3.0175,
14.3411

203.6415,
199.8486, 336.8214

■ 1.5702, 1.1409,
8.2168

247.2868,

■ 0.3728, 0.0126,

243.7536, 400.2120

4.1442

296.7612,
293.6597, 471.0953

■ 0.0000, 0.0000,
1.7048

■ 0.0000, 0.0000,
0.3640

■ 43.7185, 40.9116,
90.3865

■ 43.7185, 40.9116,
90.3865

■ 35.8145, 31.4547,
88.9785

■ 53.2372, 52.1957,
92.0636

■ 29.4310, 23.7240,
87.8227

■ 64.4492, 65.3916,
94.0197

■ 24.4709, 17.6160,
86.9052

■ 77.4330, 80.5839,
96.2678

■ 20.8236, 13.0139,
86.2091

■ 92.2609, 97.8511,
98.8192

■ 18.3620, 9.7851,
85.7157

■ 93.1778, 99.2511,
99.0411

■ 16.9332, 7.7730,
85.4026

■ 16.5347, 7.1849,
85.3101

Harmonies

Analogous

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



36.7432, 40.9116, 93.4500



43.7185, 40.9116, 90.3865



50.0378, 40.9116, 73.2978

Triad

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



43.7185, 40.9116, 90.3865



47.9347, 40.9116, 21.2027



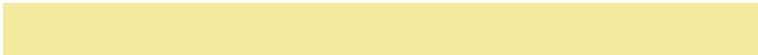
27.2233, 40.9116, 38.5827

Complementary

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



43.7185, 40.9116, 90.3865



72.4719, 80.3358, 43.5867

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.



29.5267, 40.9116, 24.5092



43.7185, 40.9116, 90.3865



41.1090, 40.9116, 16.6169

Square

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



43.7185, 40.9116, 90.3865



52.6647, 40.9116, 32.5213



34.4220, 40.9116, 17.6158



27.7470, 40.9116, 59.2196

Rectangle

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



43.7185, 40.9116, 90.3865



52.7656, 40.9116, 58.4392



34.4220, 40.9116, 17.6158



27.6813, 40.9116, 33.0498

Sweetspot

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



43.7199, 40.9132, 90.3875



77.9777, 80.0726, 105.9534



60.6596, 77.1516, 88.7614



16.2768, 16.6544, 22.6067



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.



43.7199, 40.9132, 90.3875



42.6613, 38.3399, 99.7596



49.4630, 41.5295, 90.2038



15.7207, 16.2057, 20.8420



9.1200, 4.0337, 46.8359



0.8470, 0.4454, 4.1316

Inverse Universe

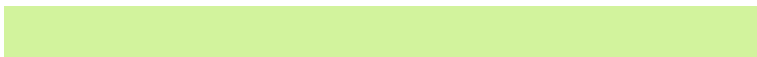
The Inverse Universe completely reimagines the original color for something new.



55.9033, 45.9234, 41.9955



58.0816, 44.9154, 38.4582



64.7254, 80.2430, 43.9770



16.5696, 16.5107, 17.4801



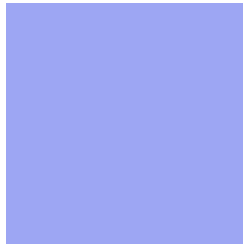
20.4078, 10.5066, 1.5902



1.8166, 0.9326, 0.2605

Previews

White Background



This preview shows how the XYZ color 43.7185, 40.9116, 90.3865 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 43.7185, 40.9116, 90.3865 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

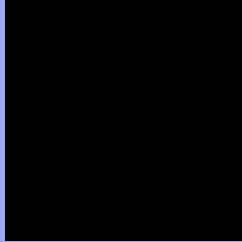
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 43.7185, 40.9116, 90.3865

Background



This preview shows how black text looks on a background with the XYZ color 43.7185, 40.9116, 90.3865.



This preview shows how white text looks on a background with the XYZ color 43.7185, 40.9116,

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

43.7185, 40.9116, 90.3865

Protanopia

42.7020, 41.1716, 92.0825

Deuteranopia

41.8920, 40.8065, 89.6729



Tritanopia

36.4967, 40.7881, 54.6645

Trichromacy



Original Color

43.7185, 40.9116, 90.3865

Protanomaly

43.0943, 41.1162, 91.2529

Deuteranomaly

42.4241, 40.8056, 89.6447

Tritanomaly

38.6556, 40.4981, 66.1011

Monochromacy



Original Color

43.7185, 40.9116, 90.3865

Achromatopsia

39.2122, 41.2543, 44.9259

Achromatomaly

40.5041, 41.0422, 59.2132

CSS Examples

Text

The CSS property to change the color of the text to XYZ 43.7185, 40.9116, 90.3865 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(157, 166, 243)` looks like.

```
.text, #text, p{  
    color:rgb(157, 166, 243)  
}
```

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(157, 166, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(157, 166, 243) }
```

Border

The CSS property to change the border of an element to XYZ 43.7185, 40.9116, 90.3865 is called "border". The border property can be set on classes, ids or directly on the HTML element.

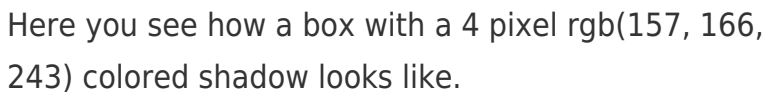
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(157, 166, 243) }
```


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

```
.border{ border-color:rgb(157, 166, 243) }
```

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



Here you see how a box with a 4 pixel `rgb(157, 166, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(157, 166, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(157, 166, 243);  
box-shadow:4px 4px 4px 4px rgb(157, 166,  
243) }
```

Background

The CSS property to change the background color of an element to XYZ 43.7185, 40.9116, 90.3865 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(157, 166, 243) }
```

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

```
.background{ background-color: rgb(157,  
166, 243) }
```

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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