

Converting Colors

XYZ(16.9386, 10.0152, 70.1476)

Have a look what the booklet for
XYZ(16.9386, 10.0152, 70.1476)
contains.

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Color

**XYZ(16.9386, 10.0152,
70.1476)**

Conversions

Conversions Part 1

Format	Color
Hex	3C41DE
RGB	60, 65, 222
RGB Percent	24%, 25%, 87%
CMY	0.7647, 0.7451, 0.1294
CMYK	0.73, 0.71, 0.00, 0.13
HSL	238°, 71%, 55%
HSV	238°, 73%, 87%
XYZ	16.9386, 10.0152, 70.1476
YIQ	81.4030, -53.3770, 47.7670

Conversions

Conversions Part 2

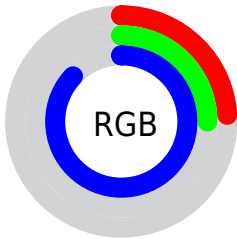
Format	Color
<code>RGB</code>	<code>60, 65, 222</code>
Decimal	<code>3949022</code>
CIE Lab	<code>37.87, 49.18, -79.86</code>
CIE LCh	<code>38, 93.784, 301.625</code>
Yxy	<code>10.0152, 0.1744, 0.1031</code>
Android (<code>android.graphics.Color</code>)	<code>4282139102 (0xFF3C41DE)</code>
YUV	<code>81.4030, 69.3143, -18.7704</code>
Hunter-Lab	<code>31.6468, 40.1582, -109.2681</code>

Details

The XYZ color **16.9386, 10.0152, 70.1476** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark muted blue. A complement of this color would be **55.7565, 65.4885, 13.9784**, and the grayscale version is **7.7761, 8.1811, 8.9092**.

A 20% lighter version of the original color is **33.2732, 24.0005, 97.4866**, and **7.0417, 3.2169, 35.8471** is the 20% darker color. If you saturate the color by 10%, you get **14.8588, 7.4454, 69.7615**, and if you desaturate by 10%, it is **20.0520, 13.8154, 70.7173**.

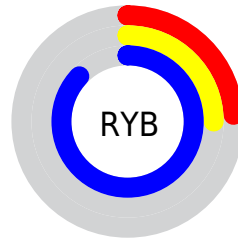
Distribution



Red (24%)

Green (25%)

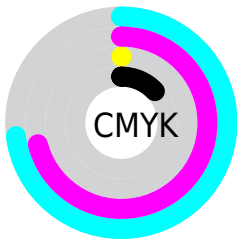
Blue (87%)



Red (24%)

Yellow (25%)

Blue (87%)

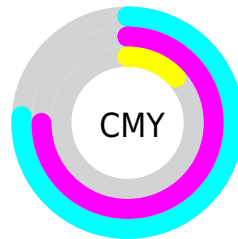


Cyan (73%)

Magenta (71%)

Yellow (0%)

Black (13%)



Cyan (76%)

Magenta (75%)

Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9386, 10.0152, 70.1476 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 16.9386, 10.0152, 70.1476 by changing the saturation by 10% instead.

■ 16.9386, 10.0152,
70.1476

■ 16.9386, 10.0152,
70.1476

227.9814,
190.7805, 479.8712

■ 10.2858, 5.4090,
51.1693

■ 37.7646, 25.8241,
121.1023

■ 5.6525, 2.4892,
35.9657

■ 52.6685, 37.7956,
153.9158

■ 2.6736, 0.8712,
24.1182

■ 71.0534, 52.9910,
192.1782

■ 0.9836, 0.0000,
15.2083

■ 93.2848, 71.7947,
236.3079

■ 0.0000, 0.0000,
8.8175

■ 119.7279, 94.5912,
286.7235

■ 0.0000, 0.0000,
4.5271

■ 150.7482,

■ 0.0000, 0.0000,

121.7647, 343.8436

1.9188

186.7109,
153.6996, 408.0866

■ 0.0000, 0.0000,
0.5046

■ 0.0000, 0.0000,
0.0000

■ 16.9386, 10.0152,
70.1476

■ 16.9386, 10.0152,
70.1476

■ 14.8588, 7.4454,
69.7615

■ 20.0520, 13.8154,
70.7173

■ 13.6782, 5.9532,
69.5357

■ 24.3076, 18.9735,
71.4886

■ 13.2591, 5.4223,
69.4553

■ 29.8022, 25.6015,
72.4784

■ 36.6219, 33.7998,
73.7014

■ 44.8454, 43.6600,
75.1712

■ 54.5447, 55.2664,
76.9002

■ 65.7874, 68.6978,
78.9002

■ 78.6366, 84.0282,
81.1820

■ 90.1849, 98.0539,
83.2806

Harmonies

Analogous

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



9.8500, 10.0152, 88.4662



16.9386, 10.0152, 70.1476



23.7014, 10.0152, 35.3417

Triad

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



16.9386, 10.0152, 70.1476



16.1201, 10.0152, 0.0000



2.0180, 10.0152, 11.8688

Complementary

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



16.9386, 10.0152, 70.1476



55.7565, 65.4885, 13.9784

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.



2.5499, 10.0152, 1.5345



16.9386, 10.0152, 70.1476



9.1958, 10.0152, 0.0000

Square

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



16.9386, 10.0152, 70.1476



23.1055, 10.0152, 1.1360



4.6615, 10.0152, 0.0000



2.6883, 10.0152, 39.0159

Rectangle

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



16.9386, 10.0152, 70.1476



26.0976, 10.0152, 16.4583



4.6615, 10.0152, 0.0000



2.0604, 10.0152, 6.7665

Sweetspot

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



16.9392, 10.0154, 70.1479



62.3765, 60.9481, 103.0843



40.4581, 58.1928, 74.4737



12.6412, 12.1950, 21.9375



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.



16.9392, 10.0154, 70.1479



19.2806, 8.8602, 95.3017



24.8908, 13.7082, 70.4416



12.9857, 13.3105, 17.2725



7.8903, 3.2502, 41.2598



0.5590, 0.2495, 2.8639

Inverse Universe

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



32.6949, 19.1442, 6.9728



42.0616, 22.3560, 3.8907



38.8636, 58.7174, 13.5618



13.7243, 13.7073, 14.3181



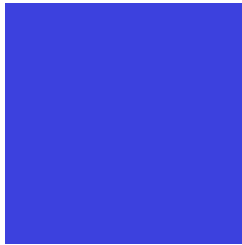
17.9229, 9.2361, 0.9937



1.2484, 0.6426, 0.1011

Previews

White Background



This preview shows how the XYZ color 16.9386, 10.0152, 70.1476 looks on a white background.

Color Contrast Check

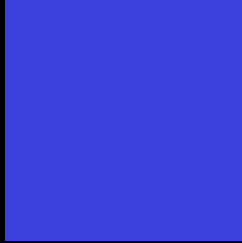
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.9386, 10.0152, 70.1476 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

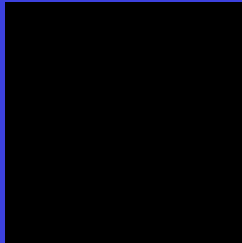
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9386, 10.0152, 70.1476

Background



This preview shows how black text looks on a background with the XYZ color 16.9386, 10.0152, 70.1476.



This preview shows how white text looks on a background with the XYZ color 16.9386, 10.0152,

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

16.9386, 10.0152, 70.1476

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

6.8664, 9.7348, 14.6138

Trichromacy



Original Color

16.9386, 10.0152, 70.1476

Protanomaly

12.9056, 9.5595, 52.7947

Deuteranomaly

11.4849, 9.4598, 43.8684

Tritanomaly

8.9251, 8.9327, 28.8575

Monochromacy



Original Color

16.9386, 10.0152, 70.1476

Achromatopsia

7.8210, 8.2283, 8.9606

Achromatomaly

9.4286, 8.1146, 22.8991

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9386, 10.0152, 70.1476 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(60, 65, 222)` looks like.

```
.text, #text, p{  
    color:rgb(60, 65, 222)  
}
```

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(60, 65, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(60, 65, 222) }
```

Border

The CSS property to change the border of an element to XYZ 16.9386, 10.0152, 70.1476 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(60, 65, 222) }
```


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

```
.border{ border-color:rgb(60, 65, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(60, 65, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(60, 65, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(60, 65, 222);  
box-shadow:4px 4px 4px 4px rgb(60, 65,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9386, 10.0152, 70.1476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(60, 65, 222) }
```

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

```
.background{ background-color: rgb(60, 65,  
222) }
```

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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