

Converting Colors

XYZ(16.7510, 10.0007, 66.5229)

Have a look what the booklet for
XYZ(16.7510, 10.0007, 66.5229)
contains.

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Color

**XYZ(16.7986, 10.0193,
66.6942)**

Conversions

Conversions Part 1

Format	Color
Hex	4441D9
RGB	68, 65, 217
RGB Percent	27%, 25%, 85%
CMY	0.7333, 0.7451, 0.1490
CMYK	0.69, 0.70, 0.00, 0.15
HSL	241°, 67%, 55%
HSV	241°, 70%, 85%
XYZ	16.7986, 10.0193, 66.6942
YIQ	83.2250, -47.0040, 47.9080

Conversions

Conversions Part 2

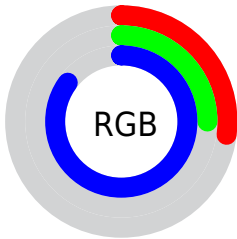
Format	Color
R _Y B	68, 65, 217
Decimal	4473305
CIE Lab	37.88, 48.37, -76.96
CIE LCh	38, 90.898, 302.148
Yxy	10.0193, 0.1796, 0.1071
Android (android.graphics.Color)	4282663385 (0xFF4441D9)
YUV	83.2250, 65.9511, -13.3523
Hunter-Lab	31.6533, 39.3379, -102.7681

Details

The XYZ color **16.7986, 10.0193, 66.6942** 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 **53.4956, 64.3022, 14.5929**, and the grayscale version is **8.1452, 8.5694, 9.3321**.

A 20% lighter version of the original color is **33.8988, 24.3230, 97.5159**, and **6.6659, 3.0390, 33.9535** is the 20% darker color. If you saturate the color by 10%, you get **14.5595, 7.3575, 66.2987**, and if you desaturate by 10%, it is **20.0550, 13.9152, 67.2748**.

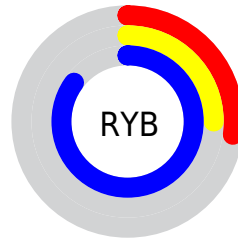
Distribution



Red (27%)

Green (25%)

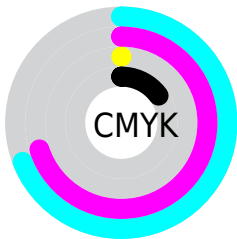
Blue (85%)



Red (27%)

Yellow (25%)

Blue (85%)

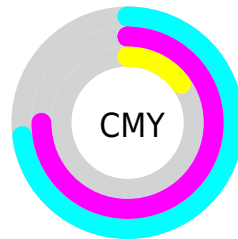


Cyan (69%)

Magenta (70%)

Yellow (0%)

Black (15%)



Cyan (73%)

Magenta (75%)

Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.7986, 10.0193, 66.6942 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 16.7986, 10.0193, 66.6942 by changing the saturation by 10% instead.

■ 16.7986, 10.0193,
66.6942

■ 16.7986, 10.0193,
66.6942

227.1880,
190.8098, 467.3273

■ 10.1854, 5.4118,
48.3761

■ 37.5255, 25.8318,
116.1186

■ 5.5853, 2.4908,
33.7627

■ 52.3700, 37.8055,
148.0620

■ 2.6328, 0.8720,
22.4355

■ 70.6889, 53.0035,
185.3843

■ 0.9627, 0.0000,
13.9759

■ 92.8477, 71.8100,
228.5039

■ 0.0000, 0.0000,
7.9653

■ 119.2116, 94.6095,
277.8395

■ 0.0000, 0.0000,
3.9853

■ 150.1461,

■ 0.0000, 0.0000,

121.7863, 333.8096

1.6173

186.0164,
153.7250, 396.8327

■ 0.0000, 0.0000,
0.3031

■ 0.0000, 0.0000,
0.0000

■ 16.7986, 10.0193,
66.6942

■ 16.7986, 10.0193,
66.6942

■ 14.5595, 7.3575,
66.2987

■ 20.0550, 13.9152,
67.2748

■ 13.2163, 5.7811,
66.0652

■ 24.4282, 19.1696,
68.0586

■ 12.5783, 5.0375,
65.9554

■ 30.0078, 25.8924,
69.0621

■ 36.8740, 34.1821,
70.3003

■ 45.0999, 44.1288,
71.7866

■ 54.7532, 55.8155,
73.5336

■ 65.8971, 69.3200,
75.5529

■ 78.5911, 84.7150,
77.8554

■ 89.5244, 97.7898,
79.8028

Harmonies

Analogous

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



9.9483, 10.0193, 84.4072



16.7986, 10.0193, 66.6942



23.2264, 10.0193, 33.7539

Triad

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



16.7986, 10.0193, 66.6942



15.7610, 10.0193, 0.0000



2.1494, 10.0193, 12.1542

Complementary

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



16.7986, 10.0193, 66.6942



53.4956, 64.3022, 14.5929

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.



2.6630, 10.0193, 1.7450



16.7986, 10.0193, 66.6942



9.1101, 10.0193, 0.0000

Square

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



16.7986, 10.0193, 66.6942



22.4753, 10.0193, 1.2013



4.7261, 10.0193, 0.0000



2.8462, 10.0193, 38.3634

Rectangle

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



16.7986, 10.0193, 66.6942



25.4511, 10.0193, 15.8955



4.7261, 10.0193, 0.0000



2.1856, 10.0193, 7.0929

Sweetspot

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



16.7992, 10.0195, 66.6945



63.5373, 61.8313, 103.1936



38.8693, 54.4635, 74.1098



12.8631, 12.3436, 21.9545



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.



16.7992, 10.0195, 66.6945



19.9201, 9.3509, 95.3627



25.8348, 14.6775, 67.1174



12.3624, 12.6294, 16.4383



7.6246, 3.0548, 39.9262



0.5026, 0.2023, 2.5870

Inverse Universe

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



42.6419, 23.3867, 65.8780



59.4004, 29.7818, 93.6839



36.3256, 55.4507, 13.7893



13.6027, 13.2702, 16.4349



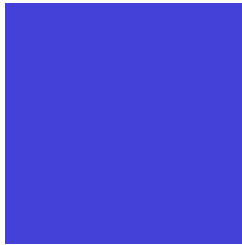
24.5746, 11.8309, 39.0014



1.5957, 0.7679, 2.5458

Previews

White Background



This preview shows how the XYZ color 16.7986, 10.0193, 66.6942 looks on a white background.

Color Contrast Check

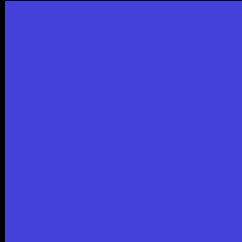
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.7986, 10.0193, 66.6942 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

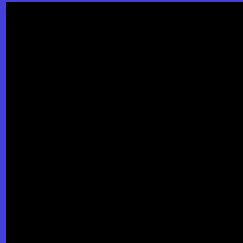
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.7986, 10.0193, 66.6942

Background



This preview shows how black text looks on a background with the XYZ color 16.7986, 10.0193, 66.6942.



This preview shows how white text looks on a background with the XYZ color 16.7986, 10.0193,

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

16.7986, 10.0193, 66.6942

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

6.9175, 9.7553, 14.8830

Trichromacy



Original Color

16.7986, 10.0193, 66.6942

Protanomaly

12.7509, 9.5057, 51.6148

Deuteranomaly

11.3540, 9.4156, 42.8139

Tritanomaly

8.9170, 8.9376, 28.4493

Monochromacy



Original Color

16.7986, 10.0193, 66.6942

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.8912, 8.4545, 22.9404

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.7986, 10.0193, 66.6942 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(68, 65, 217)` looks like.

```
.text, #text, p{  
    color:rgb(68, 65, 217)  
}
```

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(68, 65, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 65, 217) }
```

Border

The CSS property to change the border of an element to XYZ 16.7986, 10.0193, 66.6942 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(68, 65, 217) }
```


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

```
.border{ border-color:rgb(68, 65, 217) }
```

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

Here you see how a box with a 4 pixel rgb(68, 65, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 65, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 65, 217);  
box-shadow:4px 4px 4px 4px rgb(68, 65,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 16.7986, 10.0193, 66.6942 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 65, 217) }
```

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

```
.background{ background-color: rgb(68, 65,  
217) }
```

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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