

Converting Colors

XYZ(16.9666, 8.8569, 72.7480)

Have a look what the booklet for
XYZ(16.9666, 8.8569, 72.7480)
contains.

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Color

**XYZ(16.9824, 8.8622,
72.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	4032E2
RGB	64, 50, 226
RGB Percent	25%, 20%, 89%
CMY	0.7490, 0.8039, 0.1137
CMYK	0.72, 0.78, 0.00, 0.11
HSL	245°, 75%, 54%
HSV	245°, 78%, 89%
XYZ	16.9824, 8.8622, 72.7670
YIQ	74.2500, -48.1520, 57.7040

Conversions

Conversions Part 2

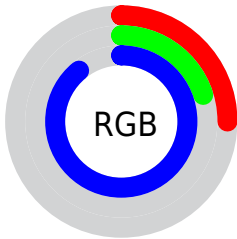
Format	Color
R _{YB}	64, 50, 226
Decimal	4207330
CIE _{Lab}	35.72, 58.69, -85.69
CIE _{LCh}	36, 103.865, 304.410
Yxy	8.8622, 0.1722, 0.0899
Android (android.graphics.Color)	4282397410 (0xFF4032E2)
YUV	74.2500, 74.8127, -8.9893
Hunter-Lab	29.7694, 49.7313, -124.0870

Details

The XYZ color **16.9824, 8.8622, 72.7670** is a dark color, and the websafe version is hex **3333CC**. The color can be described as dark washed blue. A complement of this color would be **54.9199, 68.6184, 13.3674**, and the grayscale version is **6.4313, 6.7663, 7.3685**.

A 20% lighter version of the original color is **32.5988, 21.4852, 97.0367**, and **7.1614, 2.8646, 37.7116** is the 20% darker color. If you saturate the color by 10%, you get **15.1337, 6.8114, 72.4689**, and if you desaturate by 10%, it is **19.8129, 12.1258, 73.2481**.

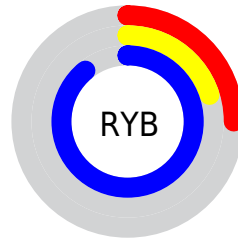
Distribution



Red (25%)

Green (20%)

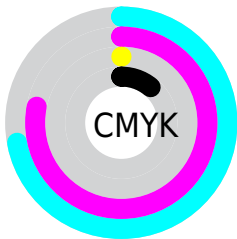
Blue (89%)



Red (25%)

Yellow (20%)

Blue (89%)

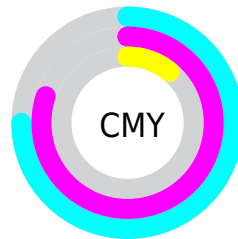


Cyan (72%)

Magenta (78%)

Yellow (0%)

Black (11%)



Cyan (75%)

Magenta (80%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9824, 8.8622, 72.7670 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 16.9824, 8.8622, 72.7670 by changing the saturation by 10% instead.

■ 16.9824, 8.8622,
72.7670

■ 16.9824, 8.8622,
72.7670

228.2292,
182.3466, 489.2560

■ 10.3172, 4.6514,
53.2948

■ 37.8394, 23.6322,
124.8642

■ 5.6736, 2.0442,
37.6488

■ 52.7618, 34.9601,
158.3263

■ 2.6864, 0.6330,
25.4105

■ 71.1673, 49.4293,
197.2888

■ 0.9902, 0.0000,
16.1614

■ 93.4213, 67.4240,
242.1703

■ 0.0000, 0.0000,
9.4828

■ 119.8892, 89.3287,
293.3891

■ 0.0000, 0.0000,
4.9563

■ 150.9362,

■ 0.0000, 0.0000,

115.5278, 351.3640

2.1634

186.9277,
146.4056, 416.5135

■ 0.0000, 0.0000,
0.6531

■ 0.0000, 0.0000,
0.0000

■ 16.9824, 8.8622,
72.7670

■ 16.9824, 8.8622,
72.7670

■ 15.1337, 6.8114,
72.4689

■ 19.8129, 12.1258,
73.2481

■ 14.1196, 5.7704,
72.3214

■ 23.7354, 16.7515,
73.9342

■ 13.9769, 5.6195,
72.2998

■ 28.8473, 22.8673,
74.8452

■ 35.2347, 30.5863,
75.9985

■ 42.9757, 40.0109,
77.4096

■ 52.1420, 51.2346,
79.0929

■ 62.8005, 64.3444,
81.0616

■ 75.0136, 79.4216,
83.3280

■ 88.8402, 96.5425,
85.9040

Harmonies

Analogous

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



9.3613, 8.8622, 97.4298



16.9824, 8.8622, 72.7670



24.1296, 8.8622, 32.7709

Triad

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



16.9824, 8.8622, 72.7670



14.6009, 8.8622, 0.0000



1.2931, 8.8622, 12.4812

Complementary

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



16.9824, 8.8622, 72.7670



54.9199, 68.6184, 13.3674

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.



1.6416, 8.8622, 1.1837



16.9824, 8.8622, 72.7670



7.5500, 8.8622, 0.0000

Square

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



16.9824, 8.8622, 72.7670



22.3493, 8.8622, 0.2018



3.3678, 8.8622, 0.0000



1.9651, 8.8622, 43.9998

Rectangle

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



16.9824, 8.8622, 72.7670



26.4148, 8.8622, 13.3210



3.3678, 8.8622, 0.0000



1.2992, 8.8622, 6.7233

Sweetspot

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



16.9830, 8.8623, 72.7673



61.9616, 59.2782, 102.7838



39.1570, 54.3974, 80.3877



12.3555, 11.5788, 21.8337



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.



16.9830, 8.8623, 72.7673



19.0172, 8.0361, 95.1565



27.3965, 14.2307, 73.2546



13.0527, 13.2952, 17.2660



8.0128, 3.2260, 41.2487



0.5911, 0.2420, 2.8608

Inverse Universe

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



44.3867, 23.2026, 64.4182



56.6115, 27.7508, 81.8201



36.4155, 59.0790, 12.5014



14.2455, 13.9158, 17.0628



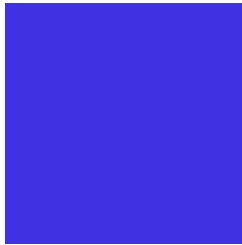
24.4096, 11.8308, 35.1522



1.7061, 0.8257, 2.5111

Previews

White Background



This preview shows how the XYZ color 16.9824, 8.8622, 72.7670 looks on a white background.

Color Contrast Check

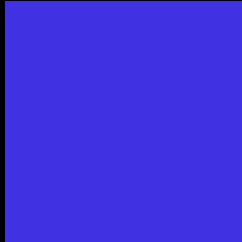
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



This preview shows how the XYZ color 16.9824, 8.8622, 72.7670 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

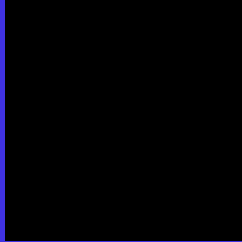
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.9824, 8.8622, 72.7670

Background



This preview shows how black text looks on a background with the XYZ color 16.9824, 8.8622, 72.7670.



This preview shows how white text looks on a background with the XYZ color 16.9824, 8.8622,

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

16.9824, 8.8622, 72.7670

Protanopia

10.1039, 8.7494, 38.6924

Deuteranopia

8.3618, 8.6692, 27.6182



Tritanopia

6.1190, 8.7105, 12.9141

Trichromacy



Original Color

16.9824, 8.8622, 72.7670

Protanomaly

11.8378, 8.2802, 49.6895

Deuteranomaly

10.3759, 8.0032, 41.0423

Tritanomaly

8.1181, 7.5342, 27.8144

Monochromacy



Original Color

16.9824, 8.8622, 72.7670

Achromatopsia

6.5089, 6.8478, 7.4573

Achromatomaly

8.3785, 6.6677, 21.6143

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9824, 8.8622, 72.7670 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(64, 50, 226)` looks like.

```
.text, #text, p{  
    color:rgb(64, 50, 226)  
}
```

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(64, 50, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 50, 226) }
```

Border

The CSS property to change the border of an element to XYZ 16.9824, 8.8622, 72.7670 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(64, 50, 226) }
```


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

```
.border{ border-color:rgb(64, 50, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 50, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 50, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 50, 226);  
box-shadow:4px 4px 4px 4px rgb(64, 50,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9824, 8.8622, 72.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 50, 226) }
```

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

```
.background{ background-color: rgb(64, 50,  
226) }
```

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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