

Converting Colors

XYZ(16.3901, 7.2762, 69.6183)

Have a look what the booklet for
XYZ(16.3901, 7.2762, 69.6183)
contains.

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Color

**XYZ(16.3982, 7.2762,
69.6474)**

Conversions

Conversions Part 1

Format	Color
Hex	4C13DE
RGB	76, 19, 222
RGB Percent	30%, 7%, 87%
CMY	0.7019, 0.9255, 0.1294
CMYK	0.66, 0.91, 0.00, 0.13
HSL	257°, 84%, 47%
HSV	257°, 91%, 87%
XYZ	16.3982, 7.2762, 69.6474
YIQ	59.1850, -31.1910, 75.2170

Conversions

Conversions Part 2

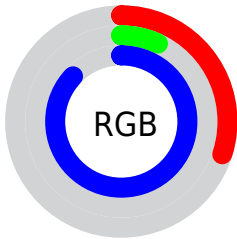
Format	Color
R _{YB}	76, 19, 222
Decimal	4985822
CIE Lab	32.43, 69.61, -88.83
CIE LCh	32, 112.853, 308.084
Yxy	7.2762, 0.1757, 0.0780
Android (android.graphics.Color)	4283175902 (0xFF4C13DE)
YUV	59.1850, 80.2678, 14.7468
Hunter-Lab	26.9744, 61.3078, -134.2034

Details

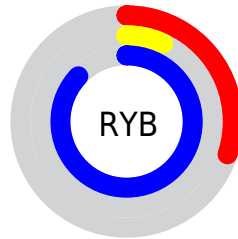
The XYZ color **16.3982, 7.2762, 69.6474** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **41.7526, 60.2874, 10.0518**, and the grayscale version is **4.0793, 4.2917, 4.6737**.

A 20% lighter version of the original color is **32.3476, 18.7413, 96.5203**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **15.1935, 6.3094, 69.5245**, and if you desaturate by 10%, it is **18.3955, 9.1471, 69.9035**.

Distribution



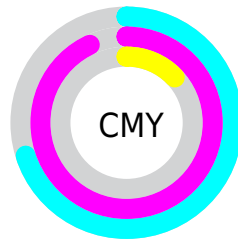
- Red (30%)
- Green (7%)
- Blue (87%)



- Red (30%)
- Yellow (7%)
- Blue (87%)



- Cyan (66%)
- Magenta (91%)
- Yellow (0%)
- Black (13%)



- Cyan (70%)
- Magenta (93%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.3982, 7.2762, 69.6474 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 16.3982, 7.2762, 69.6474 by changing the saturation by 10% instead.

■ 16.3982, 7.2762,
69.6474

■ 16.3982, 7.2762,
69.6474

224.9046,
169.9394, 478.0666

■ 9.8990, 3.6354,
50.7641

■ 36.8400, 20.5267,
120.3822

■ 5.3938, 1.4718,
35.6455

■ 51.5133, 30.9053,
153.0707

■ 2.5172, 0.2687,
23.8730

■ 69.6421, 44.2985,
191.1981

■ 0.9040, 0.0000,
15.0281

■ 91.5916, 61.0909,
235.1829

■ 0.0000, 0.0000,
8.6923

■ 117.7273, 81.6668,
285.4436

■ 0.0000, 0.0000,
4.4470


■ 148.4144,

■ 0.0000, 0.0000,

106.4106, 342.3988

1.8736


 184.0184,
135.7066, 406.4669


 0.0000, 0.0000,
0.4759


 0.0000, 0.0000,
0.0000


 16.3982, 7.2762,
69.6474


 16.3982, 7.2762,
69.6474

 15.1935, 6.3094,
69.5245

 18.3955, 9.1471,
69.9035

 21.1611, 12.0569,
70.3194

 24.7785, 16.1425,
70.9173

 29.3186, 21.5194,
71.7159

■ 34.8446, 28.2885,
72.7312

■ 41.4135, 36.5409,
73.9779

■ 49.0777, 46.3593,
75.4691

■ 57.8862, 57.8207,
77.2171

■ 67.8849, 70.9967,
79.2333

Harmonies

Analogous

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



8.6161, 7.2762, 101.2730



16.3982, 7.2762, 69.6474



23.4141, 7.2762, 26.9793

Triad

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



16.3982, 7.2762, 69.6474



12.0042, 7.2762, 0.0000



0.6846, 7.2762, 13.3528

Complementary

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



16.3982, 7.2762, 69.6474



41.7526, 60.2874, 10.0518

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.



0.8564, 7.2762, 0.9639



16.3982, 7.2762, 69.6474



5.4554, 7.2762, 0.0000

Square

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



16.3982, 7.2762, 69.6474



20.0348, 7.2762, 0.0000



2.0478, 7.2762, 0.0000



1.3110, 7.2762, 48.8470

Rectangle

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



16.3982, 7.2762, 69.6474



25.2750, 7.2762, 9.0460



2.0478, 7.2762, 0.0000



0.6587, 7.2762, 6.8961

Sweetspot

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



16.3988, 7.2763, 69.6476



60.9519, 55.4496, 102.0981



27.4310, 33.3677, 74.1023



12.3016, 10.9188, 21.7091



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.



16.3988, 7.2763, 69.6476



20.6941, 8.5831, 95.1737



31.0143, 14.8108, 70.3316



13.3117, 13.4287, 17.2781



9.1183, 3.7960, 41.3005



0.7179, 0.3074, 2.8667

Inverse Universe

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



37.1471, 18.7112, 37.2435



49.8270, 24.6948, 47.1486



28.5100, 53.4606, 9.4320



14.1223, 13.8665, 16.4140



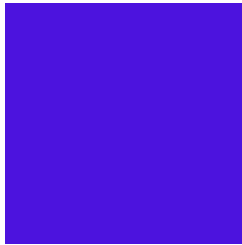
21.6936, 10.7444, 20.8500



1.5413, 0.7598, 1.6433

Previews

White Background



This preview shows how the XYZ color 16.3982, 7.2762, 69.6474 looks on a white background.

Color Contrast Check

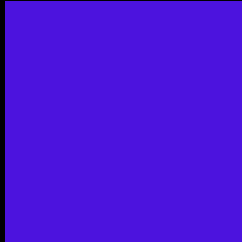
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.3982, 7.2762, 69.6474 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

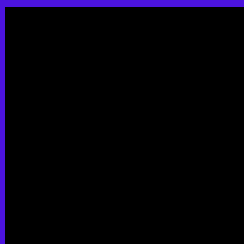
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 16.3982, 7.2762, 69.6474

Background



This preview shows how black text looks on a background with the XYZ color 16.3982, 7.2762, 69.6474.



This preview shows how white text looks on a background with the XYZ color 16.3982, 7.2762,

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

16.3982, 7.2762, 69.6474

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.1368, 7.2523, 11.0266

Trichromacy



Original Color

16.3982, 7.2762, 69.6474

Protanomaly

9.9347, 6.1399, 43.3093

Deuteranomaly

8.7335, 5.8897, 36.2738

Tritanomaly

6.8078, 5.4484, 25.1189

Monochromacy



Original Color

16.3982, 7.2762, 69.6474

Achromatopsia

4.1570, 4.3735, 4.7627

Achromatomaly

6.3507, 4.2332, 17.6219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.3982, 7.2762, 69.6474 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(76, 19, 222)` looks like.

```
.text, #text, p{  
  color:rgb(76, 19, 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(76, 19, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 19, 222) }
```

Border

The CSS property to change the border of an element to XYZ 16.3982, 7.2762, 69.6474 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(76, 19, 222) }
```


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

```
.border{ border-color:rgb(76, 19, 222) }
```

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

Here you see how a box with a 4 pixel rgb(76, 19, 222) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 19, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 19, 222);  
box-shadow:4px 4px 4px 4px rgb(76, 19,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 16.3982, 7.2762, 69.6474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 19, 222) }
```

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

```
.background{ background-color: rgb(76, 19,  
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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