

Converting Colors

XYZ(16.5905, 7.0327, 69.4849)

Have a look what the booklet for
XYZ(16.5905, 7.0327, 69.4849)
contains.

XYZ(16.5782, 7.0233, 69.5891)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(16.5782, 7.0233,
69.5891)**

Conversions

Conversions Part 1

Format	Color
Hex	5100DE
RGB	81, 0, 222
RGB Percent	32%, 0%, 87%
CMY	0.6823, 1.0000, 0.1294
CMYK	0.64, 1.00, 0.00, 0.13
HSL	262°, 100%, 44%
HSV	262°, 100%, 87%
XYZ	16.5782, 7.0233, 69.5891
YIQ	49.5270, -22.9860, 86.2140

Conversions

Conversions Part 2

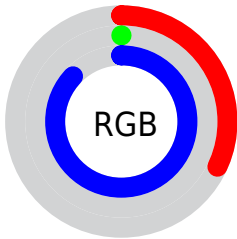
Format	Color
RYB	81, 0, 222
Decimal	5308638
CIELab	31.86, 73.07, -89.76
CIElCh	32, 115.741, 309.148
Yxy	7.0233, 0.1779, 0.0754
Android (android.graphics.Color)	4283498718 (0xFF5100DE)
YUV	49.5270, 85.0292, 27.6018
Hunter-Lab	26.5015, 65.2843, -137.1358

Details

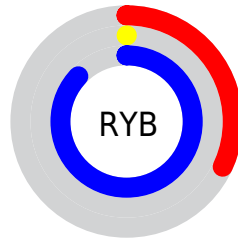
The XYZ color **16.5782, 7.0233, 69.5891** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **37.1045, 57.9048, 9.2211**, and the grayscale version is **2.8886, 3.0390, 3.3095**.

A 20% lighter version of the original color is **32.5801, 18.1506, 96.3940**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **16.5789, 7.0236, 69.5894**, and if you desaturate by 10%, it is **18.2061, 8.2941, 69.7488**.

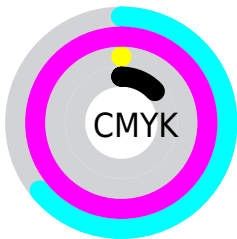
Distribution



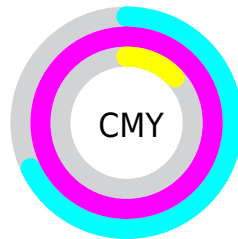
- Red (32%)
- Green (0%)
- Blue (87%)



- Red (32%)
- Yellow (0%)
- Blue (87%)



- Cyan (64%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (68%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.5782, 7.0233, 69.5891 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 16.5782, 7.0233, 69.5891 by changing the saturation by 10% instead.

■ 16.5782, 7.0233,
69.5891

■ 16.5782, 7.0233,
69.5891

225.9337,
167.8572, 477.8560

■ 10.0277, 3.4767,
50.7169

■ 37.1485, 20.0201,
120.2982

■ 5.4797, 1.3854,
35.6082

■ 51.8990, 30.2390,
152.9722

■ 2.5690, 0.2059,
23.8444

■ 70.1135, 43.4508,
191.0838

■ 0.9302, 0.0000,
15.0071

■ 92.1574, 60.0399,
235.0517

■ 0.0000, 0.0000,
8.6777

■ 118.3960, 80.3907,
285.2943


■ 0.0000, 0.0000,
4.4376


■ 149.1947,


■ 0.0000, 0.0000,


104.8876, 342.2302


1.8684


 184.9188,
133.9149, 406.2779


 0.0000, 0.0000,
0.4725


 0.0000, 0.0000,
0.0000


 16.5782, 7.0233,
69.5891


 16.5782, 7.0233,
69.5891

 16.5789, 7.0236,
69.5894

 18.2061, 8.2941,
69.7488

 20.4326, 10.3696,
70.0321

 23.3805, 13.4744,
70.4760

 27.1237, 17.7381,
71.1017

■ 31.7256, 23.2705,
71.9270

■ 37.2427, 30.1681,
72.9676

■ 43.7262, 38.5177,
74.2375

■ 51.2232, 48.3990,
75.7497

■ 59.7776, 59.8856,
77.5160

Harmonies

Analogous

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



8.6259, 7.0233, 103.7171



16.5782, 7.0233, 69.5891



23.6426, 7.0233, 25.7712

Triad

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



16.5782, 7.0233, 69.5891



11.5267, 7.0233, 0.0000



0.5629, 7.0233, 13.9891

Complementary

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



16.5782, 7.0233, 69.5891



37.1045, 57.9048, 9.2211

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.



0.7120, 7.0233, 0.9601



16.5782, 7.0233, 69.5891



5.0436, 7.0233, 0.0000

Square

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



16.5782, 7.0233, 69.5891



19.7301, 7.0233, 0.0000



1.7979, 7.0233, 0.0000



1.2033, 7.0233, 51.2622

Rectangle

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



16.5782, 7.0233, 69.5891



25.3910, 7.0233, 8.1355



1.7979, 7.0233, 0.0000



0.5273, 7.0233, 7.1788

Sweetspot

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



16.5789, 7.0236, 69.5894



59.6390, 52.4414, 101.5866



23.2037, 25.3115, 72.7701



11.9254, 10.1359, 21.5778



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.



16.5789, 7.0236, 69.5894



22.5692, 9.5498, 95.2615



34.0969, 16.0545, 70.4092



13.4219, 13.4855, 17.2832



9.9592, 4.2295, 41.3398



0.7863, 0.3427, 2.8699

Inverse Universe

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



34.9314, 17.4525, 26.7238



47.7572, 23.8669, 36.2489



26.7582, 52.5710, 8.7369



14.0717, 13.8463, 16.1478



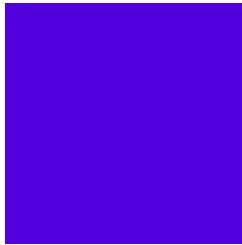
20.8037, 10.3885, 16.1638



1.4846, 0.7371, 1.3446

Previews

White Background



This preview shows how the XYZ color 16.5782, 7.0233, 69.5891 looks on a white background.

Color Contrast Check

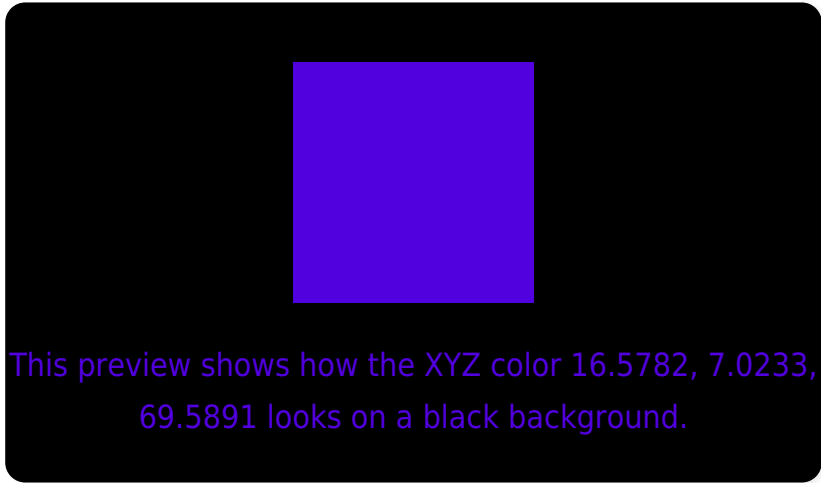
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



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 16.5782, 7.0233, 69.5891

Background



This preview shows how black text looks on a background with the XYZ color 16.5782, 7.0233, 69.5891.



This preview shows how white text looks on a background with the XYZ color 16.5782, 7.0233,

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

16.5782, 7.0233, 69.5891

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.1368, 7.2523, 11.0266

Trichromacy



Original Color

16.5782, 7.0233, 69.5891

Protanomaly

9.6599, 5.5489, 43.2097

Deuteranomaly

8.4388, 5.2590, 36.1676

Tritanomaly

6.4861, 4.7636, 25.0037

Monochromacy



Original Color

16.5782, 7.0233, 69.5891

Achromatopsia

3.0317, 3.1896, 3.4735

Achromatomaly

5.4216, 3.2174, 15.9580

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.5782, 7.0233, 69.5891 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(81, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(81, 0, 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(81, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 16.5782, 7.0233, 69.5891 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(81, 0, 222) }
```


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

```
.border{ border-color:rgb(81, 0, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(81, 0, 222)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.5782, 7.0233, 69.5891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 0, 222) }
```

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

```
.background{ background-color: rgb(81, 0,  
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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