

Converting Colors

XYZ(16.4687, 7.0829, 69.6074)

Have a look what the booklet for
XYZ(16.4687, 7.0829, 69.6074)
contains.

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Color

**XYZ(16.4852, 7.0881,
69.6065)**

Conversions

Conversions Part 1

Format	Color
Hex	4F07DE
RGB	79, 7, 222
RGB Percent	31%, 3%, 87%
CMY	0.6902, 0.9726, 0.1294
CMYK	0.64, 0.97, 0.00, 0.13
HSL	260°, 94%, 45%
HSV	260°, 97%, 87%
XYZ	16.4852, 7.0881, 69.6065
YIQ	53.0380, -26.1030, 82.1290

Conversions

Conversions Part 2

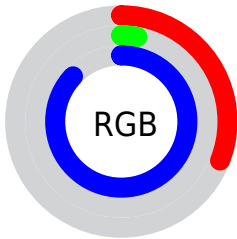
Format	Color
R_{YB}	79, 7, 222
Decimal	5179358
CIE _{Lab}	32.01, 71.91, -89.52
CIE _{LCh}	32, 114.828, 308.776
Yxy	7.0881, 0.1769, 0.0761
Android (android.graphics.Color)	4283369438 (0xFF4F07DE)
YUV	53.0380, 83.2983, 22.7687
Hunter-Lab	26.6235, 63.9357, -136.3759

Details

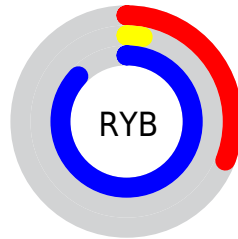
The XYZ color **16.4852, 7.0881, 69.6065** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **38.7332, 58.7400, 9.4971**, and the grayscale version is **3.2930, 3.4645, 3.7728**.

A 20% lighter version of the original color is **32.4201, 18.3631, 96.4435**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **16.0369, 6.7442, 69.5640**, and if you desaturate by 10%, it is **18.2215, 8.5294, 69.7934**.

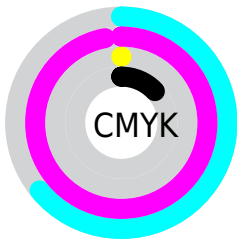
Distribution



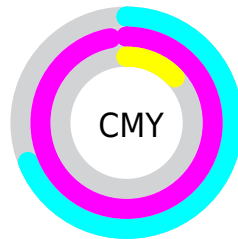
- Red (31%)
- Green (3%)
- Blue (87%)



- Red (31%)
- Yellow (3%)
- Blue (87%)



- Cyan (64%)
- Magenta (97%)
- Yellow (0%)
- Black (13%)



- Cyan (69%)
- Magenta (97%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.4852, 7.0881, 69.6065 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 16.4852, 7.0881, 69.6065 by changing the saturation by 10% instead.

■ 16.4852, 7.0881,
69.6065

■ 16.4852, 7.0881,
69.6065

225.4026,
168.3937, 477.9189

■ 9.9612, 3.5173,
50.7310

■ 36.9892, 20.1502,
120.3233

■ 5.4353, 1.4074,
35.6193

■ 51.6999, 30.4103,
153.0016

■ 2.5422, 0.2221,
23.8530

■ 69.8701, 43.6689,
191.1180

■ 0.9166, 0.0000,
15.0134

■ 91.8653, 60.3104,
235.0909

■ 0.0000, 0.0000,
8.6821

■ 118.0508, 80.7193,
285.3389

■ 0.0000, 0.0000,
4.4404


■ 148.7919,

■ 0.0000, 0.0000,


105.2799, 342.2805

1.8699


 184.4540,
134.3765, 406.3343


 0.0000, 0.0000,
0.4735


 0.0000, 0.0000,
0.0000


 16.4852, 7.0881,
69.6065


 16.4852, 7.0881,
69.6065

 16.0369, 6.7442,
69.5640

 18.2215, 8.5294,
69.7934

 20.6352, 10.8972,
70.1233

 23.8173, 14.3494,
70.6219

 27.8398, 19.0092,
71.3093

■ 32.7657, 24.9828,
72.2027

■ 38.6515, 32.3643,
73.3173

■ 45.5484, 41.2389,
74.6667

■ 53.5041, 51.6849,
76.2637

■ 62.5631, 63.7752,
78.1199

Harmonies

Analogous

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



8.5973, 7.0881, 102.8788



16.4852, 7.0881, 69.6065



23.5328, 7.0881, 26.1633

Triad

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



16.4852, 7.0881, 69.6065



11.6675, 7.0881, 0.0000



0.5975, 7.0881, 13.7293

Complementary

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



16.4852, 7.0881, 69.6065



38.7332, 58.7400, 9.4971

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.



0.7548, 7.0881, 0.9519



16.4852, 7.0881, 69.6065



5.1666, 7.0881, 0.0000

Square

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



16.4852, 7.0881, 69.6065



19.8089, 7.0881, 0.0000



1.8712, 7.0881, 0.0000



1.2305, 7.0881, 50.3750

Rectangle

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



16.4852, 7.0881, 69.6065



25.3217, 7.0881, 8.4242



1.8712, 7.0881, 0.0000



0.5653, 7.0881, 7.0519

Sweetspot

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



16.4858, 7.0882, 69.6067



59.9879, 53.3842, 101.7502



24.2312, 27.2367, 73.0876



11.9650, 10.2996, 21.6073



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.



16.4858, 7.0882, 69.6067



21.8342, 9.1708, 95.2271



33.5504, 15.8853, 70.4053



13.3825, 13.4652, 17.2814



9.6314, 4.0605, 41.3245



0.7605, 0.3293, 2.8687

Inverse Universe

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



35.7033, 17.8826, 30.4146



48.4564, 24.1466, 39.9309



27.1484, 52.7678, 8.9549



14.0897, 13.8535, 16.2423



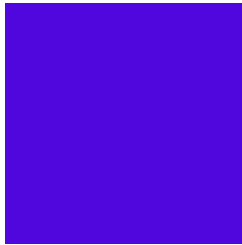
21.1048, 10.5089, 17.7497



1.5040, 0.7449, 1.4468

Previews

White Background



This preview shows how the XYZ color 16.4852, 7.0881, 69.6065 looks on a white background.

Color Contrast Check

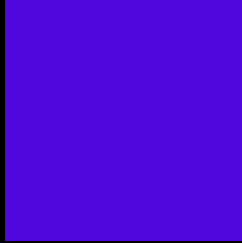
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.4852, 7.0881, 69.6065 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 16.4852, 7.0881, 69.6065

Background



This preview shows how black text looks on a background with the XYZ color 16.4852, 7.0881, 69.6065.



This preview shows how white text looks on a background with the XYZ color 16.4852, 7.0881,

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

16.4852, 7.0881, 69.6065

Protanopia

8.3652, 7.2641, 31.9716

Deuteranopia

6.8927, 7.2307, 22.5051



Tritanopia

5.1368, 7.2523, 11.0266

Trichromacy



Original Color

16.4852, 7.0881, 69.6065

Protanomaly

9.7840, 5.7971, 43.2511

Deuteranomaly

8.4806, 5.4878, 35.7342

Tritanomaly

6.6300, 5.0515, 25.0517

Monochromacy



Original Color

16.4852, 7.0881, 69.6065

Achromatopsia

3.3839, 3.5601, 3.8770

Achromatomaly

5.6547, 3.5008, 16.2973

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.4852, 7.0881, 69.6065 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(79, 7, 222)` looks like.

```
.text, #text, p{  
    color:rgb(79, 7, 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(79, 7, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(79, 7, 222) }
```

Border

The CSS property to change the border of an element to XYZ 16.4852, 7.0881, 69.6065 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(79, 7, 222) }
```


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

```
.border{ border-color:rgb(79, 7, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(79, 7, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(79, 7, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(79, 7, 222);  
box-shadow:4px 4px 4px 4px rgb(79, 7, 222)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.4852, 7.0881, 69.6065 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(79, 7, 222) }
```

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

```
.background{ background-color: rgb(79, 7,  
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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