

Converting Colors

XYZ(16.8013, 7.0605, 73.1142)

Have a look what the booklet for
XYZ(16.8013, 7.0605, 73.1142)
contains.

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Color

**XYZ(16.8456, 7.0826,
73.1523)**

Conversions

Conversions Part 1

Format	Color
Hex	4C00E3
RGB	76, 0, 227
RGB Percent	30%, 0%, 89%
CMY	0.7019, 1.0000, 0.1098
CMYK	0.67, 1.00, 0.00, 0.11
HSL	260°, 100%, 45%
HSV	260°, 100%, 89%
XYZ	16.8456, 7.0826, 73.1523
YIQ	48.6020, -27.5710, 86.7090

Conversions

Conversions Part 2

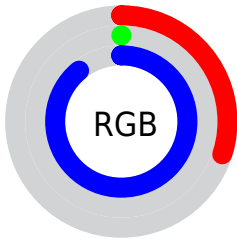
Format	Color
RYB	76, 0, 227
Decimal	4980963
CIELab	31.99, 73.99, -92.42
CIELCh	32, 118.385, 308.679
Yxy	7.0826, 0.1735, 0.0730
Android (android.graphics.Color)	4283171043 (0xFF4C00E3)
YUV	48.6020, 87.9502, 24.0280
Hunter-Lab	26.6132, 66.4139, -144.3428

Details

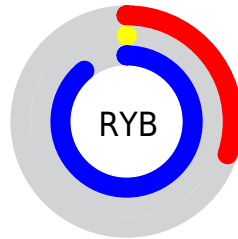
The XYZ color **16.8456, 7.0826, 73.1523** is a dark color, and the websafe version is hex **3300CC**. The color can be described as dark washed blue. A complement of this color would be **40.2303, 61.5170, 9.7536**, and the grayscale version is **2.7847, 2.9297, 3.1905**.

A 20% lighter version of the original color is **32.0444, 17.8745, 96.3689**, and **7.2557, 2.9023, 38.2080** is the 20% darker color. If you saturate the color by 10%, you get **16.8463, 7.0829, 73.1526**, and if you desaturate by 10%, it is **18.4906, 8.3766, 73.3156**.

Distribution



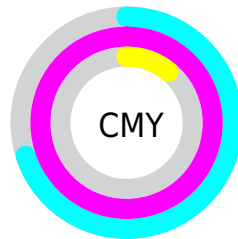
- Red (30%)
- Green (0%)
- Blue (89%)



- Red (30%)
- Yellow (0%)
- Blue (89%)



- Cyan (67%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)



- Cyan (70%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.8456, 7.0826, 73.1523 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 16.8456, 7.0826, 73.1523 by changing the saturation by 10% instead.

■ 16.8456, 7.0826,
73.1523

■ 16.8456, 7.0826,
73.1523

227.4547,
168.3483, 490.6274

■ 10.2191, 3.5138,
53.6079

■ 37.6058, 20.1392,
125.4163

■ 5.6078, 1.4055,
37.8973

■ 52.4703, 30.3958,
158.9730

■ 2.6465, 0.2208,
25.6017

■ 70.8114, 43.6504,
198.0376

■ 0.9697, 0.0000,
16.3028

■ 92.9945, 60.2875,
243.0286

■ 0.0000, 0.0000,
9.5820

■ 119.3851, 80.6914,
294.3645


■ 0.0000, 0.0000,
5.0208


■ 150.3484,

■ 0.0000, 0.0000,

105.2466, 352.4640

2.2005


 186.2498,
134.3374, 417.7454

 0.0000, 0.0000,
0.6747


 0.0000, 0.0000,
0.0000


 16.8456, 7.0826,
73.1523


 16.8456, 7.0826,
73.1523

 16.8463, 7.0829,
73.1526

 18.4906, 8.3766,
73.3156

 20.7873, 10.5304,
73.6103

 23.8665, 13.7795,
74.0752

 27.8085, 18.2623,
74.7327

■ 32.6826, 24.0959,
75.6018

■ 38.5503, 31.3832,
76.6991

■ 45.4674, 40.2170,
78.0396

■ 53.4855, 50.6821,
79.6370

■ 62.6524, 62.8571,
81.5038

Harmonies

Analogous

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



8.6307, 7.0826, 108.5214



16.8456, 7.0826, 73.1523



24.2572, 7.0826, 27.0916

Triad

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



16.8456, 7.0826, 73.1523



11.8688, 7.0826, 0.0000



0.5096, 7.0826, 13.8622

Complementary

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



16.8456, 7.0826, 73.1523



40.2303, 61.5170, 9.7536

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.



0.6743, 7.0826, 0.8473



16.8456, 7.0826, 73.1523



5.1341, 7.0826, 0.0000

Square

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



16.8456, 7.0826, 73.1523



20.3848, 7.0826, 0.0000



1.7843, 7.0826, 0.0000



1.1400, 7.0826, 52.4040

Rectangle

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



16.8456, 7.0826, 73.1523



26.1567, 7.0826, 8.5002



1.7843, 7.0826, 0.0000



0.4773, 7.0826, 6.9737

Sweetspot

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



16.8463, 7.0829, 73.1526



59.0034, 52.1138, 101.5569



24.9856, 27.7868, 76.7199



11.7771, 10.0595, 21.5709



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.



16.8463, 7.0829, 73.1526



21.8312, 9.1693, 95.2270



34.8929, 16.3863, 73.9971



14.0353, 14.1204, 18.1301



9.9357, 4.1879, 42.6679



0.8301, 0.3589, 3.1575

Inverse Universe

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



37.2640, 18.5651, 30.8943



48.4595, 24.1478, 39.9472



28.2624, 55.3473, 9.1935



14.7792, 14.5289, 17.0377



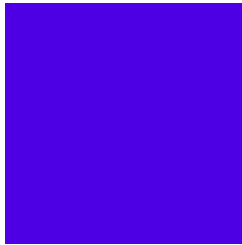
21.7887, 10.8497, 18.3142



1.6529, 0.8189, 1.5785

Previews

White Background



This preview shows how the XYZ color 16.8456, 7.0826, 73.1523 looks on a white background.

Color Contrast Check

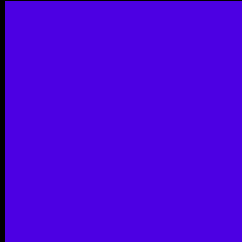
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.8456, 7.0826, 73.1523 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 16.8456, 7.0826, 73.1523

Background



This preview shows how black text looks on a background with the XYZ color 16.8456, 7.0826, 73.1523.



This preview shows how white text looks on a background with the XYZ color 16.8456, 7.0826,

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

16.8456, 7.0826, 73.1523

Protanopia

8.4495, 7.2979, 32.4158

Deuteranopia

6.9608, 7.2579, 22.8638



Tritanopia

5.1368, 7.2523, 11.0266

Trichromacy



Original Color

16.8456, 7.0826, 73.1523

Protanomaly

9.9389, 5.6573, 44.8241

Deuteranomaly

8.5945, 5.3181, 37.1327

Tritanomaly

6.5317, 4.7787, 25.3891

Monochromacy



Original Color

16.8456, 7.0826, 73.1523

Achromatopsia

2.9193, 3.0713, 3.3447

Achromatomaly

5.3309, 3.1247, 16.2417

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.8456, 7.0826, 73.1523 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, 0, 227)` looks like.

```
.text, #text, p{  
    color:rgb(76, 0, 227)  
}
```

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, 0, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(76, 0, 227) }
```

Border

The CSS property to change the border of an element to XYZ 16.8456, 7.0826, 73.1523 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, 0, 227) }
```


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

```
.border{ border-color:rgb(76, 0, 227) }
```

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

Here you see how a box with a 4 pixel rgb(76, 0, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(76, 0, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(76, 0, 227);  
box-shadow:4px 4px 4px 4px rgb(76, 0, 227)  
}
```

Background

The CSS property to change the background color of an element to XYZ 16.8456, 7.0826, 73.1523 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(76, 0, 227) }
```

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

```
.background{ background-color: rgb(76, 0,  
227) }
```

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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