

Converting Colors

XYZ(16.0453, 10.0536, 73.2861)

Have a look what the booklet for
XYZ(16.0453, 10.0536, 73.2861)
contains.

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Color

**XYZ(15.9807, 9.9975,
73.0389)**

Conversions

Conversions Part 1

Format	Color
Hex	0047E2
RGB	0, 71, 226
RGB Percent	0%, 28%, 89%
CMY	0.9998, 0.7216, 0.1137
CMYK	1.00, 0.69, 0.00, 0.11
HSL	221°, 100%, 44%
HSV	221°, 100%, 89%
XYZ	15.9807, 9.9975, 73.0389
YIQ	67.4410, -92.0710, 33.1530

Conversions

Conversions Part 2

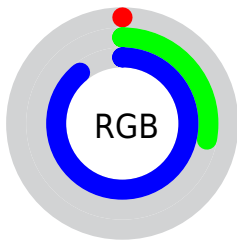
Format	Color
RYB	0, 54, 226
Decimal	18402
CIELab	37.84, 43.91, -82.25
CIELCh	38, 93.237, 298.093
Yxy	9.9975, 0.1614, 0.1010
Android (android.graphics.Color)	4278208482 (0xFF0047E2)
YUV	67.4410, 78.1696, -59.1458
Hunter-Lab	31.6188, 34.8840, -114.8256

Details

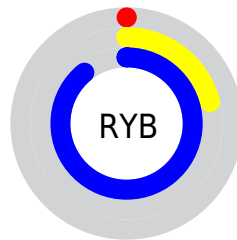
The XYZ color **15.9807, 9.9975, 73.0389** is a dark color, and the websafe version is hex **0033CC**. The color can be described as dark washed blue. A complement of this color would be **43.0955, 39.6310, 5.3798**, and the grayscale version is **5.2981, 5.5740, 6.0701**.

A 20% lighter version of the original color is **30.8312, 23.6018, 97.5384**, and **7.5767, 3.6951, 37.8500** is the 20% darker color. If you saturate the color by 10%, you get **15.9782, 9.9924, 73.0384**, and if you desaturate by 10%, it is **17.4411, 12.4052, 73.4270**.

Distribution



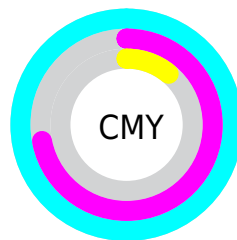
- Red (0%)
- Green (28%)
- Blue (89%)



- Red (0%)
- Yellow (21%)
- Blue (89%)



- Cyan (100%)
- Magenta (69%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (72%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 15.9807, 9.9975, 73.0389 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 15.9807, 9.9975, 73.0389 by changing the saturation by 10% instead.

■ 15.9807, 9.9975,
73.0389

■ 15.9807, 9.9975,
73.0389

222.5004,
190.6542, 490.2240

■ 9.6013, 5.3973,
53.5158

■ 36.1224, 25.7908,
125.2539

■ 5.1956, 2.4822,
37.8241

■ 50.6154, 37.7527,
158.7828

■ 2.3984, 0.8677,
25.5454

■ 68.5436, 52.9373,
197.8173

■ 0.8443, 0.0000,
16.2612

■ 90.2724, 71.7289,
242.7761

■ 0.0000, 0.0000,
9.5528

■ 116.1671, 94.5120,
294.0776

■ 0.0000, 0.0000,
5.0018

146.5931,

■ 0.0000, 0.0000,

121.6710, 352.1404

2.1895

181.9158,
153.5903, 417.3830

■ 0.0000, 0.0000,
0.6683

■ 0.0000, 0.0000,
0.0000

■ 15.9807, 9.9975,
73.0389

■ 15.9807, 9.9975,
73.0389

■ 15.9782, 9.9924,
73.0384

■ 17.4411, 12.4052,
73.4270

■ 19.5730, 15.5588,
73.9233

■ 22.5223, 19.5567,
74.5396

■ 26.3780, 24.4667,
75.2841

■ 31.2163, 30.3484,
76.1643

■ 37.1047, 37.2556,
77.1872

■ 44.1044, 45.2379,
78.3590

■ 52.2719, 54.3414,
79.6857

■ 61.6595, 64.6095,
81.1729

Harmonies

Analogous

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



9.1263, 9.9975, 87.5947



15.9807, 9.9975, 73.0389



22.9187, 9.9975, 39.0560

Triad

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



15.9807, 9.9975, 73.0389



16.9325, 9.9975, 0.0000



2.0365, 9.9975, 9.8301

Complementary

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



15.9807, 9.9975, 73.0389



43.0955, 39.6310, 5.3798

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.



2.7185, 9.9975, 1.1237



15.9807, 9.9975, 73.0389



9.8886, 9.9975, 0.0000

Square

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



15.9807, 9.9975, 73.0389



23.6110, 9.9975, 1.5932



5.0649, 9.9975, 0.0000



2.5564, 9.9975, 34.7906

Rectangle

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



15.9807, 9.9975, 73.0389



25.6928, 9.9975, 19.1528



5.0649, 9.9975, 0.0000



2.1237, 9.9975, 5.4234

Sweetspot

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



15.9814, 9.9976, 73.0392



57.7677, 59.2295, 102.9955



33.0676, 56.7415, 39.9787



11.4924, 11.6892, 21.9005



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.



15.9814, 9.9976, 73.0392



20.9234, 12.9669, 96.0078



14.6618, 5.9736, 72.3320



13.3015, 13.9420, 17.3777



9.2094, 5.8883, 41.6995



0.7167, 0.5648, 2.9165

Inverse Universe

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



32.5020, 16.6249, 7.4569



42.6904, 21.8402, 9.5676



47.1025, 64.6548, 9.9987



13.8836, 13.7711, 15.1574



18.5887, 9.5025, 4.4997



1.3280, 0.6745, 0.5201

Previews

White Background



This preview shows how the XYZ color 15.9807, 9.9975, 73.0389 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 15.9807, 9.9975, 73.0389 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

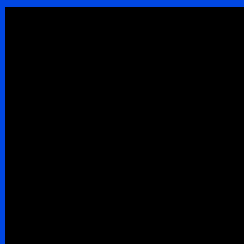
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 15.9807, 9.9975, 73.0389

Background



This preview shows how black text looks on a background with the XYZ color 15.9807, 9.9975, 73.0389.



This preview shows how white text looks on a background with the XYZ color 15.9807, 9.9975,

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

15.9807, 9.9975, 73.0389

Protanopia

11.4867, 9.7923, 44.4647

Deuteranopia

9.5738, 9.8153, 31.9618



Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

15.9807, 9.9975, 73.0389

Protanomaly

12.9467, 9.7685, 54.0265

Deuteranomaly

11.4085, 9.6359, 44.4386

Tritanomaly

8.9177, 9.2829, 29.3387

Monochromacy



Original Color

15.9807, 9.9975, 73.0389

Achromatopsia

5.3350, 5.6128, 6.1124

Achromatomaly

6.7651, 6.1285, 20.2284

CSS Examples

Text

The CSS property to change the color of the text to XYZ 15.9807, 9.9975, 73.0389 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(0, 71, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 71, 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(0, 71, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 71, 226) }
```

Border

The CSS property to change the border of an element to XYZ 15.9807, 9.9975, 73.0389 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(0, 71, 226) }
```


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

```
.border{ border-color:rgb(0, 71, 226) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 71, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 71, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 71, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 71, 226)  
}
```

Background

The CSS property to change the background color of an element to XYZ 15.9807, 9.9975, 73.0389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 71, 226) }
```

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

```
.background{ background-color: rgb(0, 71,  
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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