

Converting Colors

XYZ(13.6537, 5.6921, 71.1850)

Have a look what the booklet for
XYZ(13.6537, 5.6921, 71.1850)
contains.

XYZ(13.5985, 5.6697, 70.8986)	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(13.5985, 5.6697,
70.8986)**

Conversions

Conversions Part 1

Format	Color
Hex	000DE0
RGB	0, 13, 224
RGB Percent	0%, 5%, 88%
CMY	0.9998, 0.9491, 0.1216
CMYK	1.00, 0.94, 0.00, 0.12
HSL	237°, 100%, 44%
HSV	237°, 100%, 88%
XYZ	13.5985, 5.6697, 70.8986
YIQ	33.1670, -75.4790, 62.8650

Conversions

Conversions Part 2

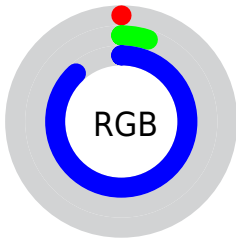
Format	Color
RYB	0, 12, 224
Decimal	3552
CIELab	28.56, 69.43, -96.52
CIELCh	29, 118.892, 305.728
Yxy	5.6697, 0.1508, 0.0629
Android (android.graphics.Color)	4278193632 (0xFF000DE0)
YUV	33.1670, 94.0807, -29.0875
Hunter-Lab	23.8111, 60.2716, -159.8706

Details

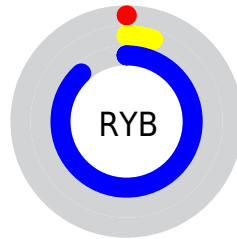
The XYZ color **13.5985, 5.6697, 70.8986** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **54.0537, 62.4731, 9.2113**, and the grayscale version is **1.3958, 1.4685, 1.5992**.

A 20% lighter version of the original color is **27.0495, 15.2995, 96.1352**, and **6.9751, 2.7900, 36.7301** is the 20% darker color. If you saturate the color by 10%, you get **13.5976, 5.6679, 70.8985**, and if you desaturate by 10%, it is **14.3703, 6.7070, 71.0584**.

Distribution



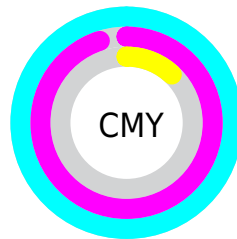
- Red (0%)
- Green (5%)
- Blue (88%)



- Red (0%)
- Yellow (5%)
- Blue (88%)



- Cyan (100%)
- Magenta (94%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (95%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.5985, 5.6697, 70.8986 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 13.5985, 5.6697, 70.8986 by changing the saturation by 10% instead.

■ 13.5985, 5.6697,
70.8986

■ 13.5985, 5.6697,
70.8986

208.2796,
156.1013, 482.5730

■ 7.9218, 2.6453,
51.7781

■ 31.9672, 17.2419,
122.1824

■ 4.0963, 0.9495,
36.4472

■ 45.3898, 26.5584,
155.1829

■ 1.7568, 0.0000,
24.4874

■ 62.1251, 38.7412,
193.6471

■ 0.4914, 0.0000,
15.4800

■ 82.5385, 54.1745,
237.9935

■ 0.0000, 0.0000,
9.0066

■ 106.9953, 73.2428,
288.6408

■ 0.0000, 0.0000,
4.6486


■ 135.8608, 96.3304,

■ 0.0000, 0.0000,


346.0075

1.9875


 169.5005,
123.8218, 410.5120

 0.0000, 0.0000,
0.5476


 0.0000, 0.0000,
0.0000


 13.5985, 5.6697,
70.8986


 13.5985, 5.6697,
70.8986

 13.5976, 5.6679,
70.8985

 14.3703, 6.7070,
71.0584

 15.9062, 8.6879,
71.3598

 18.3927, 11.7955,
71.8286

 21.9509, 16.1644,
72.4843

■ 26.6841, 21.9102,
73.3439

■ 32.6832, 29.1355,
74.4223

■ 40.0303, 37.9329,
75.7332

■ 48.8006, 48.3876,
77.2889

■ 59.0635, 60.5787,
79.1011

Harmonies

Analogous

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



6.4506, 5.6697, 101.1240



13.5985, 5.6697, 70.8986



20.6260, 5.6697, 27.0356

Triad

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



13.5985, 5.6697, 70.8986



10.6375, 5.6697, 0.0000



0.1177, 5.6697, 9.4982

Complementary

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



13.5985, 5.6697, 70.8986



54.0537, 62.4731, 9.2113

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.



0.3597, 5.6697, 0.0262



13.5985, 5.6697, 70.8986



4.4506, 5.6697, 0.0000

Square

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



13.5985, 5.6697, 70.8986



18.2774, 5.6697, 0.0000



1.4032, 5.6697, 0.0000



0.6494, 5.6697, 42.5836

Rectangle

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



13.5985, 5.6697, 70.8986



22.7941, 5.6697, 8.5635



1.4032, 5.6697, 0.0000



0.1112, 5.6697, 4.2753

Sweetspot

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



13.5991, 5.6697, 70.8988



53.4411, 50.5764, 101.5533



38.1739, 57.9188, 69.5351



10.4981, 9.7008, 21.5691



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.



13.5991, 5.6697, 70.8988



18.2169, 7.5537, 95.1056



18.3957, 7.9300, 71.0823



13.0152, 13.3696, 17.2823



7.9418, 3.3531, 41.2770



0.5732, 0.2778, 2.8687

Inverse Universe

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



30.8137, 15.8776, 1.8209



41.3242, 21.2937, 2.3735



35.4024, 57.8205, 9.2963



13.7391, 13.7133, 14.3966



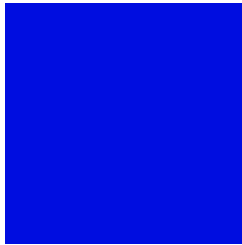
17.9488, 9.2465, 1.1304



1.2556, 0.6455, 0.1387

Previews

White Background



This preview shows how the XYZ color 13.5985, 5.6697, 70.8986 looks on a white background.

Color Contrast Check

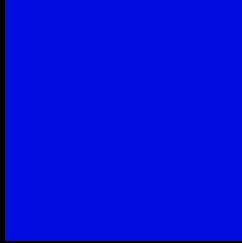
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.5985, 5.6697, 70.8986 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

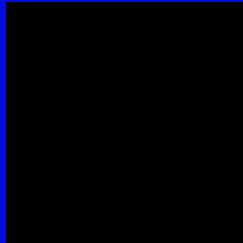
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 13.5985, 5.6697, 70.8986

Background



This preview shows how black text looks on a background with the XYZ color 13.5985, 5.6697, 70.8986.



This preview shows how white text looks on a background with the XYZ color 13.5985, 5.6697,

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

13.5985, 5.6697, 70.8986

Protanopia

6.5357, 5.7314, 24.8066

Deuteranopia

5.4641, 5.7908, 17.6594



Tritanopia

3.9957, 5.7334, 8.2932

Trichromacy



Original Color

13.5985, 5.6697, 70.8986

Protanomaly

8.1779, 4.8976, 38.0504

Deuteranomaly

7.1414, 4.6815, 31.9797

Tritanomaly

5.4380, 4.2121, 22.3562

Monochromacy



Original Color

13.5985, 5.6697, 70.8986

Achromatopsia

1.4456, 1.5209, 1.6562

Achromatomaly

3.0769, 1.8575, 12.7667

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.5985, 5.6697, 70.8986 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, 13, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 13, 224)  
}
```

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, 13, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 13, 224) }
```

Border

The CSS property to change the border of an element to XYZ 13.5985, 5.6697, 70.8986 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, 13, 224) }
```


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

```
.border{ border-color:rgb(0, 13, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 13, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 13, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 13, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 13, 224)  
}
```

Background

The CSS property to change the background color of an element to XYZ 13.5985, 5.6697, 70.8986 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 13, 224) }
```

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

```
.background{ background-color: rgb(0, 13,  
224) }
```

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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