

Converting Colors

XYZ(13.4673, 5.4195, 69.4441)

Have a look what the booklet for
XYZ(13.4673, 5.4195, 69.4441)
contains.

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Color

**XYZ(13.4733, 5.4226,
69.4438)**

Conversions

Conversions Part 1

Format	Color
Hex	1400DE
RGB	20, 0, 222
RGB Percent	8%, 0%, 87%
CMY	0.9214, 1.0000, 0.1294
CMYK	0.91, 1.00, 0.00, 0.13
HSL	245°, 100%, 44%
HSV	245°, 100%, 87%
XYZ	13.4733, 5.4226, 69.4438
YIQ	31.2880, -59.3420, 73.2820

Conversions

Conversions Part 2

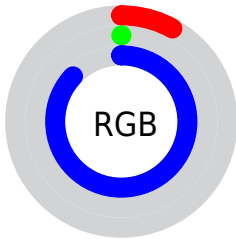
Format	Color
RYB	20, 0, 222
Decimal	1310942
CIELab	27.91, 71.45, -96.46
CIElCh	28, 120.038, 306.531
Yxy	5.4226, 0.1525, 0.0614
Android (android.graphics.Color)	4279501022 (0xFF1400DE)
YUV	31.2880, 94.0210, -9.8996
Hunter-Lab	23.2865, 62.5268, -160.5112

Details

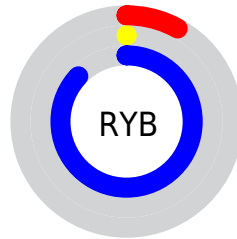
The XYZ color **13.4733, 5.4226, 69.4438** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **50.4691, 64.7945, 9.8466**, and the grayscale version is **1.2632, 1.3290, 1.4473**.

A 20% lighter version of the original color is **27.1274, 14.8791, 96.0499**, and **6.7915, 2.7166, 35.7637** is the 20% darker color. If you saturate the color by 10%, you get **13.4741, 5.4230, 69.4441**, and if you desaturate by 10%, it is **14.3597, 6.3112, 69.5688**.

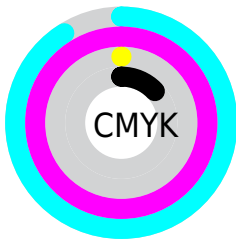
Distribution



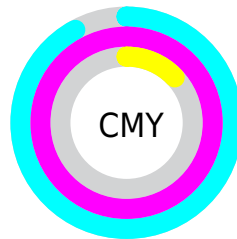
- Red (8%)
- Green (0%)
- Blue (87%)



- Red (8%)
- Yellow (0%)
- Blue (87%)



- Cyan (91%)
- Magenta (100%)
- Yellow (0%)
- Black (13%)



- Cyan (92%)
- Magenta (100%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.4733, 5.4226, 69.4438 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 13.4733, 5.4226, 69.4438 by changing the saturation by 10% instead.

■ 13.4733, 5.4226,
69.4438

■ 13.4733, 5.4226,
69.4438

207.5060,
153.8259, 477.3309

■ 7.8345, 2.4973,
50.5992

■ 31.7456, 16.7208,
120.0889

■ 4.0401, 0.8753,
35.5152

■ 45.1099, 25.8625,
152.7265

■ 1.7249, 0.0000,
23.7733

■ 61.7800, 37.8452,
190.7989

■ 0.4718, 0.0000,
14.9549

■ 82.1213, 53.0531,
234.7245

■ 0.0000, 0.0000,
8.6415

■ 106.4993, 71.8707,
284.9220

■ 0.0000, 0.0000,
4.4145


■ 135.2791, 94.6825,


■ 0.0000, 0.0000,

341.8099

1.8554


 168.8262,
121.8727, 405.8067

 0.0000, 0.0000,
0.4641


 0.0000, 0.0000,
0.0000


 13.4733, 5.4226,
69.4438


 13.4733, 5.4226,
69.4438

 13.4741, 5.4230,
69.4441

 14.3597, 6.3112,
69.5688

 15.9900, 8.0793,
69.8242

 18.5296, 10.9737,
70.2490

 22.0875, 15.1419,
70.8660

■ 26.7570, 20.7091,
71.6945

■ 32.6208, 27.7854,
72.7513

■ 39.7538, 36.4699,
74.0516

■ 48.2246, 46.8532,
75.6094

■ 58.0970, 59.0193,
77.4373

Harmonies

Analogous

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



6.3519, 5.4226, 100.8565



13.4733, 5.4226, 69.4438



20.3989, 5.4226, 25.6413

Triad

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



13.4733, 5.4226, 69.4438



10.1295, 5.4226, 0.0000



0.0251, 5.4226, 9.7096

Complementary

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



13.4733, 5.4226, 69.4438



50.4691, 64.7945, 9.8466

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.



0.2485, 5.4226, 0.0216



13.4733, 5.4226, 69.4438



4.1171, 5.4226, 0.0000

Square

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



13.4733, 5.4226, 69.4438



17.7333, 5.4226, 0.0000



1.2429, 5.4226, 0.0000



0.5818, 5.4226, 43.3694

Rectangle

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



13.4733, 5.4226, 69.4438



22.4490, 5.4226, 7.7722



1.2429, 5.4226, 0.0000



0.0114, 5.4226, 4.3625

Sweetspot

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



13.4741, 5.4230, 69.4441



54.1753, 49.6247, 101.3309



34.6592, 48.2225, 76.5887



10.6647, 9.4860, 21.5188



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.



13.4741, 5.4230, 69.4441



18.4037, 7.4023, 95.0666



22.3143, 9.9803, 69.8578



13.0662, 13.3021, 17.2666



8.0432, 3.2417, 41.2502



0.5976, 0.2454, 2.8611

Inverse Universe

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



40.7809, 19.7923, 57.5264



55.8036, 27.0854, 78.6209



30.5851, 54.5439, 8.9160



14.2389, 13.9132, 17.0281



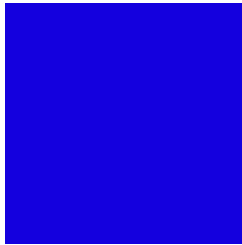
24.2446, 11.7648, 34.2832



1.6963, 0.8218, 2.4597

Previews

White Background



This preview shows how the XYZ color 13.4733, 5.4226, 69.4438 looks on a white background.

Color Contrast Check

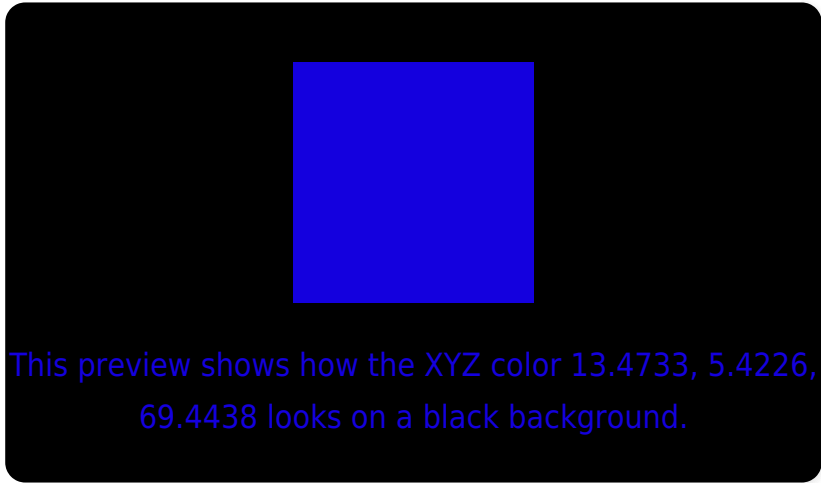
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.4733, 5.4226, 69.4438

Background



This preview shows how black text looks on a background with the XYZ color 13.4733, 5.4226, 69.4438.



This preview shows how white text looks on a background with the XYZ color 13.4733, 5.4226,

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

13.4733, 5.4226, 69.4438

Protanopia

6.4057, 5.5867, 24.4076

Deuteranopia

5.3425, 5.6413, 17.3303

Trichromacy



Original Color

13.4733, 5.4226, 69.4438

Protanomaly

7.9484, 4.4582, 37.4874

Deuteranomaly

6.9424, 4.2885, 31.4722

Monochromacy



Original Color

13.4733, 5.4226, 69.4438

Achromatopsia

1.3024, 1.3702, 1.4922

Achromatomaly

3.0024, 1.6534, 12.2175

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.4733, 5.4226, 69.4438 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(20, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(20, 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(20, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(20, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 13.4733, 5.4226, 69.4438 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(20, 0, 222) }
```

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

```
.border{ border-color:rgb(20, 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(20, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(20, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(20, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(20, 0, 222)  
}
```


Background

The CSS property to change the background color of an element to XYZ 13.4733, 5.4226, 69.4438 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(20, 0, 222) }
```

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

```
.background{ background-color: rgb(20, 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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