

Converting Colors

XYZ(13.8994, 5.6256, 72.9895)

Have a look what the booklet for
XYZ(13.8994, 5.6256, 72.9895)
contains.

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Color

**XYZ(13.9085, 5.6329,
73.0272)**

Conversions

Conversions Part 1

Format	Color
Hex	0004E3
RGB	0, 4, 227
RGB Percent	0%, 2%, 89%
CMY	0.9998, 0.9844, 0.1098
CMYK	1.00, 0.98, 0.00, 0.11
HSL	239°, 100%, 45%
HSV	239°, 100%, 89%
XYZ	13.9085, 5.6329, 73.0272
YIQ	28.2260, -73.9670, 68.5050

Conversions

Conversions Part 2

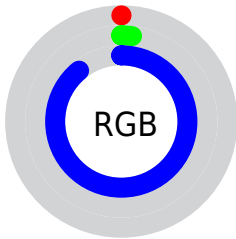
Format	Color
RYB	0, 4, 227
Decimal	1251
CIELab	28.47, 71.81, -98.40
CIELCh	28, 121.820, 306.123
Yxy	5.6329, 0.1503, 0.0609
Android (android.graphics.Color)	4278191331 (0xFF0004E3)
YUV	28.2260, 97.9956, -24.7542
Hunter-Lab	23.7337, 63.0710, -165.8180

Details

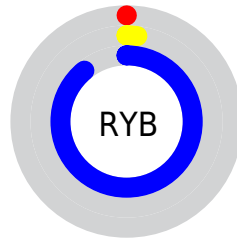
The XYZ color **13.9085, 5.6329, 73.0272** is a dark color, and the websafe version is hex **0000CC**. The color can be described as dark washed blue. A complement of this color would be **58.0857, 69.1447, 10.2864**, and the grayscale version is **1.0623, 1.1177, 1.2171**.

A 20% lighter version of the original color is **26.9882, 14.9870, 96.0781**, and **7.2557, 2.9023, 38.2080** is the 20% darker color. If you saturate the color by 10%, you get **13.9078, 5.6314, 73.0272**, and if you desaturate by 10%, it is **14.5887, 6.4770, 73.1545**.

Distribution



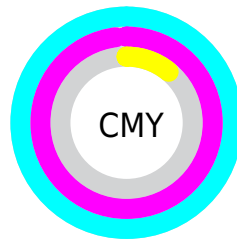
- Red (0%)
- Green (2%)
- Blue (89%)



- Red (0%)
- Yellow (2%)
- Blue (89%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (98%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 13.9085, 5.6329, 73.0272 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 13.9085, 5.6329, 73.0272 by changing the saturation by 10% instead.

■ 13.9085, 5.6329,
73.0272

■ 13.9085, 5.6329,
73.0272

210.1829,
155.7653, 490.1824

■ 8.1383, 2.6232,
53.5062

■ 32.5142, 17.1646,
125.2371

■ 4.2361, 0.9383,
37.8166

■ 46.0805, 26.4553,
158.7631

■ 1.8366, 0.0000,
25.5396

■ 62.9761, 38.6085,
197.7946

■ 0.5396, 0.0000,
16.2569

■ 83.5665, 54.0086,
242.7500

■ 0.0000, 0.0000,
9.5498

■ 108.2171, 73.0399,
294.0480


■ 0.0000, 0.0000,
4.9998


■ 137.2931, 96.0869,

■ 0.0000, 0.0000,


352.1070


2.1884


 171.1599,
123.5339, 417.3456

 0.0000, 0.0000,
0.6677


 0.0000, 0.0000,
0.0000


 13.9085, 5.6329,
73.0272


 13.9085, 5.6329,
73.0272

 13.9078, 5.6314,
73.0272

 14.5887, 6.4770,
73.1545

 16.0489, 8.2773,
73.4251

 18.5069, 11.2748,
73.8741

 22.0980, 15.6285,
74.5252

■ 26.9366, 21.4735,
75.3983

■ 33.1232, 28.9283,
76.5112

■ 40.7478, 38.0996,
77.8796

■ 49.8929, 49.0850,
79.5180

■ 60.6347, 61.9747,
81.4398

Harmonies

Analogous

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



6.5182, 5.6329, 105.3156



13.9085, 5.6329, 73.0272



21.1649, 5.6329, 27.2107

Triad

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



13.9085, 5.6329, 73.0272



10.6403, 5.6329, 0.0000



0.0385, 5.6329, 9.8099

Complementary

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



13.9085, 5.6329, 73.0272



58.0857, 69.1447, 10.2864

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.



0.2760, 5.6329, 0.0000



13.9085, 5.6329, 73.0272



4.3372, 5.6329, 0.0000

Square

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



13.9085, 5.6329, 73.0272



18.5577, 5.6329, 0.0000



1.3091, 5.6329, 0.0000



0.5932, 5.6329, 44.5541

Rectangle

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



13.9085, 5.6329, 73.0272



23.3629, 5.6329, 8.3302



1.3091, 5.6329, 0.0000



0.0283, 5.6329, 4.3612

Sweetspot

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



13.9091, 5.6329, 73.0274



52.8109, 49.3159, 101.3432



40.3134, 60.0761, 76.7899



10.3556, 9.4156, 21.5215



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.



13.9091, 5.6329, 73.0274



18.0979, 7.3158, 95.0660



19.8051, 8.6091, 73.2911



13.6028, 13.9269, 18.1156



8.1197, 3.3016, 42.5925



0.6071, 0.2582, 3.1498

Inverse Universe

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



31.7010, 16.3408, 1.5976



41.2642, 21.2697, 2.0574



35.3675, 59.0100, 9.5276



14.3871, 14.3720, 14.9728



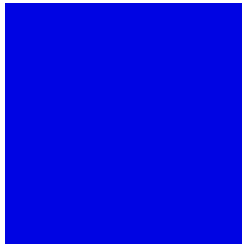
18.4920, 9.5310, 0.9538



1.3701, 0.7057, 0.0894

Previews

White Background



This preview shows how the XYZ color 13.9085, 5.6329, 73.0272 looks on a white background.

Color Contrast Check

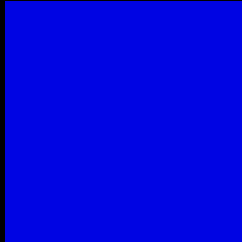
Large Text (above 18pt) WCAG AA ✓ Pass

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 13.9085, 5.6329, 73.0272 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 13.9085, 5.6329, 73.0272

Background



This preview shows how black text looks on a background with the XYZ color 13.9085, 5.6329, 73.0272.



This preview shows how white text looks on a background with the XYZ color 13.9085, 5.6329,

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

13.9085, 5.6329, 73.0272

Protanopia

6.6084, 5.7605, 25.1897

Deuteranopia

5.5233, 5.8145, 17.9707



Tritanopia

4.0324, 5.7481, 8.4864

Trichromacy



Original Color

13.9085, 5.6329, 73.0272

Protanomaly

8.2146, 4.6680, 38.9961

Deuteranomaly

7.1881, 4.5017, 32.8378

Tritanomaly

5.3742, 3.9747, 22.6742

Monochromacy



Original Color

13.9085, 5.6329, 73.0272

Achromatopsia

1.1037, 1.1612, 1.2646

Achromatomaly

2.7826, 1.5144, 12.2022

CSS Examples

Text

The CSS property to change the color of the text to XYZ 13.9085, 5.6329, 73.0272 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, 4, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 4, 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(0, 4, 227) colored shadow looks like.

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

Border

The CSS property to change the border of an element to XYZ 13.9085, 5.6329, 73.0272 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, 4, 227) }
```


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

```
.border{ border-color:rgb(0, 4, 227) }
```

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

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

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

Background

The CSS property to change the background color of an element to XYZ 13.9085, 5.6329, 73.0272 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 4, 227) }
```

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

```
.background{ background-color: rgb(0, 4,  
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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