

Converting Colors

XYZ(8.1801, 3.3415, 42.8617)

Have a look what the booklet for
XYZ(8.1801, 3.3415, 42.8617)
contains.

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Color

**XYZ(8.1801, 3.3415,
42.8617)**

Conversions

Conversions Part 1

Format	Color
Hex	0004B3
RGB	0, 4, 179
RGB Percent	0%, 2%, 70%
CMY	0.9999, 0.9844, 0.2980
CMYK	1.00, 0.98, 0.00, 0.30
HSL	239°, 100%, 35%
HSV	239°, 100%, 70%
XYZ	8.1801, 3.3415, 42.8617
YIQ	22.7540, -58.5590, 53.5770

Conversions

Conversions Part 2

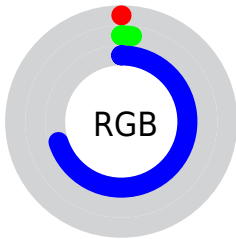
Format	Color
RYB	0, 4, 179
Decimal	1203
CIELab	21.36, 59.71, -82.16
CIELCh	21, 101.564, 306.008
Yxy	3.3415, 0.1504, 0.0614
Android (android.graphics.Color)	4278191283 (0xFF0004B3)
YUV	22.7540, 77.0293, -19.9553
Hunter-Lab	18.2798, 47.8882, -126.2251

Details

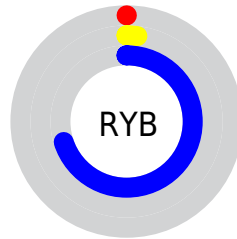
The XYZ color **8.1801, 3.3415, 42.8617** is a dark color, and the websafe version is hex **000099**. A complement of this color would be **33.9297, 40.2618, 5.9840**, and the grayscale version is **0.7653, 0.8052, 0.8768**.

A 20% lighter version of the original color is **21.9547, 12.0463, 80.5249**, and **3.7017, 1.4807, 19.4927** is the 20% darker color. If you saturate the color by 10%, you get **8.1796, 3.3405, 42.8617**, and if you desaturate by 10%, it is **8.6623, 3.9373, 42.9514**.

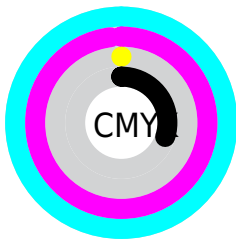
Distribution



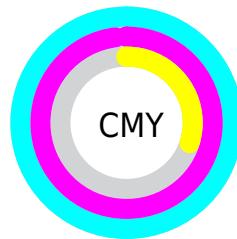
- Red (0%)
- Green (2%)
- Blue (70%)



- Red (0%)
- Yellow (2%)
- Blue (70%)



- Cyan (100%)
- Magenta (98%)
- Yellow (0%)
- Black (30%)



- Cyan (100%)
- Magenta (98%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 8.1801, 3.3415, 42.8617 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 8.1801, 3.3415, 42.8617 by changing the saturation by 10% instead.

■ 8.1801, 3.3415,
42.8617

■ 8.1801, 3.3415,
42.8617

■ 171.4778,
132.3589, 373.9472

■ 4.2632, 1.3125,
29.4460

■ 21.9928, 12.0925,
80.7862

■ 1.8521, 0.1509,
19.1700

■ 32.6193, 19.5833,
106.1322

■ 0.5487, 0.0000,
11.6151

■ 46.2131, 29.6634,
136.2919

■ 0.0000, 0.0000,
6.3628

■ 63.1394, 42.7174,
171.6841

■ 0.0000, 0.0000,
2.9946

■ 83.7637, 59.1295,
212.7271


■ 0.0000, 0.0000,
1.0919


■ 108.4513, 79.2842,


■ 0.0000, 0.0000,


259.8396

0.0000


 137.5675,
103.5658, 313.4402

 8.1801, 3.3415,
42.8617


 8.1801, 3.3415,
42.8617


 8.1796, 3.3405,
42.8617

 8.6623, 3.9373,
42.9514

 9.5839, 5.0776,
43.1230

 11.0824, 6.9089,
43.3975

 13.2312, 9.5168,
43.7876

 16.0929, 12.9749,
44.3042

■ 19.7228, 17.3480,
44.9570

■ 24.1706, 22.6949,
45.7546

■ 29.4820, 29.0692,
46.7051

■ 35.6993, 36.5208,
47.8157

Harmonies

Analogous

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



3.8473, 3.3415, 61.6124



8.1801, 3.3415, 42.8617



12.4360, 3.3415, 16.0801

Triad

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



8.1801, 3.3415, 42.8617



6.2994, 3.3415, 0.0000



0.0000, 3.3415, 5.7530

Complementary

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



8.1801, 3.3415, 42.8617



33.9297, 40.2618, 5.9840

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.



0.0000, 3.3415, 0.0000



8.1801, 3.3415, 42.8617



2.5877, 3.3415, 0.0000

Square

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



8.1801, 3.3415, 42.8617



10.9382, 3.3415, 0.0000



0.7903, 3.3415, 0.0000



0.2422, 3.3415, 26.0297

Rectangle

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



8.1801, 3.3415, 42.8617



13.7321, 3.3415, 4.9728



0.7903, 3.3415, 0.0000



0.0000, 3.3415, 2.5669

Sweetspot

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



8.1804, 3.3415, 42.8618



42.8320, 40.0973, 81.8632



23.6668, 35.2590, 45.1111



8.7206, 7.9597, 17.9990



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



8.1804, 3.3415, 42.8618



14.6282, 5.9403, 76.7568



11.7532, 5.1196, 43.0167



8.0565, 8.2592, 10.6759



5.7865, 2.3733, 30.2901



0.1870, 0.0846, 0.9547

Inverse Universe

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



18.6127, 9.5932, 0.9852



33.3230, 17.1754, 1.7061



20.8900, 34.6993, 5.5976



8.5037, 8.5082, 8.8850



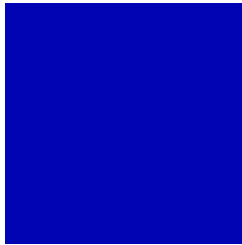
13.1554, 6.7797, 0.7123



0.4164, 0.2143, 0.0356

Previews

White Background



This preview shows how the XYZ color 8.1801, 3.3415, 42.8617 looks on a white background.

Color Contrast Check

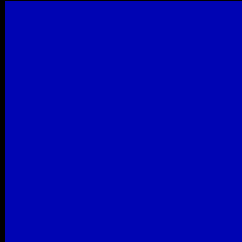
Large Text (above 18pt) WCAG AA ✓ Pass

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 8.1801, 3.3415, 42.8617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

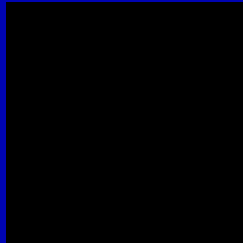
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 8.1801, 3.3415, 42.8617

Background



This preview shows how black text looks on a background with the XYZ color 8.1801, 3.3415, 42.8617.



This preview shows how white text looks on a background with the XYZ color 8.1801, 3.3415,

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

8.1801, 3.3415, 42.8617

Protanopia

4.0425, 3.5818, 15.2301

Deuteranopia

3.3900, 3.6187, 10.8757

Trichromacy



Original Color

8.1801, 3.3415, 42.8617

Protanomaly

4.9742, 2.9513, 23.2292

Deuteranomaly

4.2997, 2.7784, 19.3784

Monochromacy



Original Color

8.1801, 3.3415, 42.8617

Achromatopsia

0.8144, 0.8568, 0.9331

Achromatomaly

1.8303, 1.0513, 7.6959

CSS Examples

Text

The CSS property to change the color of the text to XYZ 8.1801, 3.3415, 42.8617 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, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 4, 179)  
}
```

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, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 4, 179) }
```

Border

The CSS property to change the border of an element to XYZ 8.1801, 3.3415, 42.8617 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, 179) }
```

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

```
.border{ border-color:rgb(0, 4, 179) }
```

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, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 4, 179); -webkit-box-shadow:4px  
4px 4px 4px rgb(0, 4, 179); box-shadow:4px  
4px 4px 4px rgb(0, 4, 179) }
```


Background

The CSS property to change the background color of an element to XYZ 8.1801, 3.3415, 42.8617 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, 179) }
```

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

```
.background{ background-color: rgb(0, 4,  
179) }
```

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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