

Converting Colors

XYZ(9.4388, 9.8330, 102.1235)

Have a look what the booklet for
XYZ(9.4388, 9.8330, 102.1235)
contains.

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Color

**XYZ(22.9002, 16.9205,
96.6667)**

Conversions

Conversions Part 1

Format	Color
Hex	0067FF
RGB	0, 103, 255
RGB Percent	0%, 40%, 100%
CMY	0.9997, 0.5961, 0.0000
CMYK	1.00, 0.60, 0.00, 0.00
HSL	216°, 100%, 50%
HSV	216°, 100%, 100%
XYZ	22.9002, 16.9205, 96.6667
YIQ	89.5310, -110.1800, 25.4360

Conversions

Conversions Part 2

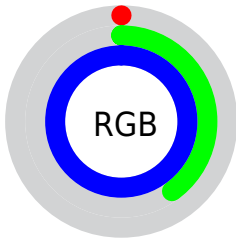
Format	Color
R_{YB}	0, 73, 255
Decimal	26623
CIE _{Lab}	48.16, 34.58, -81.60
CIE _{LCh}	48, 88.624, 292.963
Yxy	16.9205, 0.1678, 0.1240
Android (android.graphics.Color)	4278216703 (0xFF0067FF)
YUV	89.5310, 81.5762, -78.5187
Hunter-Lab	41.1345, 27.3881, -110.5381

Details

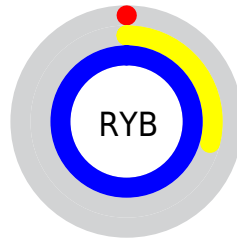
The XYZ color **22.9002, 16.9205, 96.6667** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **52.4804, 43.7402, 5.6787**, and the grayscale version is **9.4603, 9.9529, 10.8388**.

A 20% lighter version of the original color is **36.3807, 33.5799, 99.1718**, and **11.5911, 7.0573, 53.5746** is the 20% darker color. If you saturate the color by 10%, you get **22.8959, 16.9118, 96.6653**, and if you desaturate by 10%, it is **24.9676, 20.4389, 97.2369**.

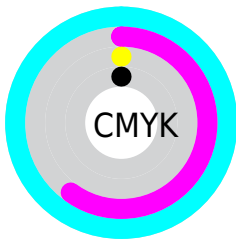
Distribution



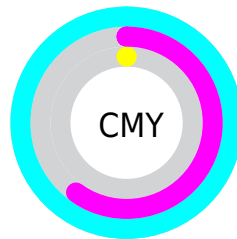
- Red (0%)
- Green (40%)
- Blue (100%)



- Red (0%)
- Yellow (29%)
- Blue (100%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.9002, 16.9205, 96.6667 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 22.9002, 16.9205, 96.6667 by changing the saturation by 10% instead.

■ 22.9002, 16.9205,
96.6667

■ 22.9002, 16.9205,
96.6667

259.7569,
234.7138, 570.6072

■ 14.6401, 10.1778,
72.9184

■ 47.6973, 38.1890,
158.5805

■ 8.6519, 5.5170,
53.4178

■ 64.9650, 53.4837,
197.5832

■ 4.5701, 2.5537,
37.7464

■ 85.9659, 72.3978,
242.5077

■ 2.0294, 0.9034,
25.4856

■ 111.0655, 95.3157,
293.7726

■ 0.6504, 0.0000,
16.2169

■ 140.6290,
122.6219, 351.7965

■ 0.0000, 0.0000,
9.5218

175.0218,

■ 0.0000, 0.0000,

154.7007, 416.9978

4.9816

214.6094,
191.9366, 489.7952

■ 0.0000, 0.0000,
2.1779

■ 0.0000, 0.0000,
0.6616

■ 22.9002, 16.9205,
96.6667

■ 22.9002, 16.9205,
96.6667

■ 22.8959, 16.9118,
96.6653

■ 24.9676, 20.4389,
97.2369

■ 27.8624, 24.8127,
97.9286

■ 31.7623, 30.1525,
98.7537

■ 36.7803, 36.5343,
99.7210

■ 43.0121, 44.0247,
100.8384

■ 50.5424, 52.6833,
102.1128

■ 59.4476, 62.5649,
103.5507

■ 69.7979, 73.7203,
105.1584

■ 81.6584, 86.1973,
106.9416

Harmonies

Analogous

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



14.2617, 16.9205, 106.5756



22.9002, 16.9205, 96.6667



31.8510, 16.9205, 60.0358

Triad

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



22.9002, 16.9205, 96.6667



27.3086, 16.9205, 0.8592



5.1005, 16.9205, 13.5139

Complementary

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



22.9002, 16.9205, 96.6667



52.4804, 43.7402, 5.6787

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.



6.6283, 16.9205, 2.5524



22.9002, 16.9205, 96.6667



18.0519, 16.9205, 0.0000

Square

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



22.9002, 16.9205, 96.6667



34.9325, 16.9205, 5.9851



10.7730, 16.9205, 0.1002



5.6337, 16.9205, 41.6616

Rectangle

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



22.9002, 16.9205, 96.6667



35.8576, 16.9205, 34.6806



10.7730, 16.9205, 0.1002



5.3663, 16.9205, 8.2570

Sweetspot

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



22.9011, 16.9208, 96.6668



59.4206, 62.5353, 103.5465



41.1682, 73.6834, 40.3943



11.8783, 12.4611, 22.0291



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.



22.9011, 16.9208, 96.6668



22.8959, 16.9118, 96.6653



18.3668, 7.3845, 95.0650



17.6050, 18.5817, 22.9087



12.1006, 9.1108, 50.5554



1.2820, 1.0946, 4.9570

Inverse Universe

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



43.6889, 22.2408, 14.8220



43.6860, 22.2384, 14.8104



69.6120, 88.9713, 13.5063



18.3133, 18.1086, 20.2669



22.8960, 11.6477, 8.1030



2.2817, 1.1550, 1.0648

Previews

White Background



This preview shows how the XYZ color 22.9002, 16.9205, 96.6667 looks on a white background.

Color Contrast Check

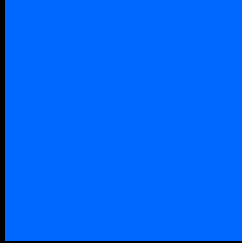
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.9002, 16.9205, 96.6667 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

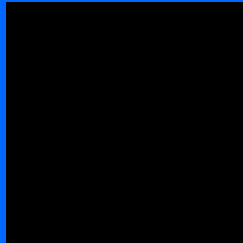
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

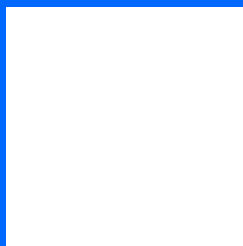
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.9002, 16.9205, 96.6667

Background



This preview shows how black text looks on a background with the XYZ color 22.9002, 16.9205, 96.6667.



This preview shows how white text looks on a background with the XYZ color 22.9002, 16.9205,

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

22.9002, 16.9205, 96.6667

Protanopia

20.0341, 16.7635, 78.5237

Deuteranopia

16.6701, 16.8461, 56.4058



Tritanopia

11.7639, 16.6429, 25.1466

Trichromacy



Original Color

22.9002, 16.9205, 96.6667

Protanomaly

20.9859, 16.8067, 84.5760

Deuteranomaly

18.5804, 16.7028, 69.2625

Tritanomaly

14.5143, 16.1712, 44.4759

Monochromacy



Original Color

22.9002, 16.9205, 96.6667

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.2846, 11.2563, 30.4321

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.9002, 16.9205, 96.6667 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, 103, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 103, 255)  
}
```

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, 103, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 103, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.9002, 16.9205, 96.6667 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, 103, 255) }
```


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

```
.border{ border-color:rgb(0, 103, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 103, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 103, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 103, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 103,  
255) }
```

Background

The CSS property to change the background color of an element to XYZ 22.9002, 16.9205, 96.6667 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 103, 255) }
```

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

```
.background{ background-color: rgb(0, 103,  
255) }
```

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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