

Converting Colors

XYZ(22.3416, 17.0998, 92.4833)

Have a look what the booklet for
XYZ(22.3416, 17.0998, 92.4833)
contains.

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Color

**XYZ(22.3069, 17.0053,
92.5491)**

Conversions

Conversions Part 1

Format	Color
Hex	0069FA
RGB	0, 105, 250
RGB Percent	0%, 41%, 98%
CMY	0.9997, 0.5882, 0.0196
CMYK	1.00, 0.58, 0.00, 0.02
HSL	215°, 100%, 49%
HSV	215°, 100%, 98%
XYZ	22.3069, 17.0053, 92.5491
YIQ	90.1350, -109.1250, 22.8350

Conversions

Conversions Part 2

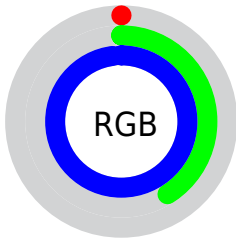
Format	Color
RYB	0, 74, 250
Decimal	27130
CIELab	48.27, 31.40, -78.65
CIELCh	48, 84.686, 291.767
Yxy	17.0053, 0.1692, 0.1290
Android (android.graphics.Color)	4278217210 (0xFF0069FA)
YUV	90.1350, 78.8134, -79.0484
Hunter-Lab	41.2375, 24.3917, -104.1980

Details

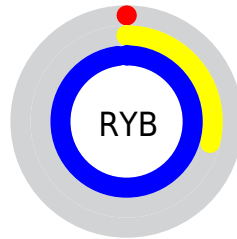
The XYZ color **22.3069, 17.0053, 92.5491** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **49.5616, 40.5977, 5.2260**, and the grayscale version is **9.6000, 10.1000, 10.9989**.

A 20% lighter version of the original color is **36.4534, 34.1074, 99.2698**, and **11.0784, 6.9337, 50.6236** is the 20% darker color. If you saturate the color by 10%, you get **22.3026, 16.9966, 92.5481**, and if you desaturate by 10%, it is **24.3151, 20.4237, 93.1035**.

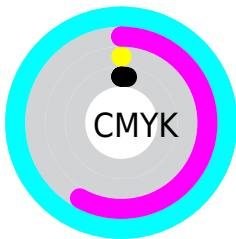
Distribution



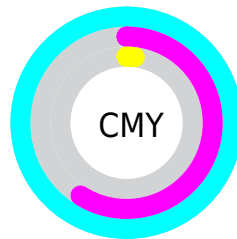
- Red (0%)
- Green (41%)
- Blue (98%)



- Red (0%)
- Yellow (29%)
- Blue (98%)



- Cyan (100%)
- Magenta (58%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (59%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.3069, 17.0053, 92.5491 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 22.3069, 17.0053, 92.5491 by changing the saturation by 10% instead.

■ 22.3069, 17.0053,
92.5491

■ 22.3069, 17.0053,
92.5491

256.7472,
235.2029, 557.0712

■ 14.2004, 10.2383,
69.5112

■ 46.7278, 38.3349,
152.8405

■ 8.3428, 5.5572,
50.6538

■ 63.7730, 53.6662,
190.9311

■ 4.3687, 2.5778,
35.5584

■ 84.5284, 72.6211,
234.8763

■ 1.9128, 0.9155,
23.8063

■ 109.3595, 95.5840,
285.0948

■ 0.5843, 0.0000,
14.9791

■ 138.6315,
122.9392, 342.0049

■ 0.0000, 0.0000,
8.6583

172.7099,

■ 0.0000, 0.0000,

155.0712, 406.0254

4.4252

211.9600,
192.3643, 477.5746

■ 0.0000, 0.0000,
1.8614

■ 0.0000, 0.0000,
0.4680

■ 22.3069, 17.0053,
92.5491

■ 22.3069, 17.0053,
92.5491

■ 22.3026, 16.9966,
92.5481

■ 24.3151, 20.4237,
93.1035

■ 27.1006, 24.6346,
93.7695

■ 30.8332, 29.7419,
94.5586

■ 35.6192, 35.8160,
95.4788

■ 41.5488, 42.9182,
96.5371

■ 48.7018, 51.1036,
97.7401

■ 57.1501, 60.4227,
99.0936

■ 66.9599, 70.9226,
100.6032

■ 78.1924, 82.6470,
102.2742

Harmonies

Analogous

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



14.1318, 17.0053, 100.3273



22.3069, 17.0053, 92.5491



30.8271, 17.0053, 59.1752

Triad

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



22.3069, 17.0053, 92.5491



27.1820, 17.0053, 1.1820



5.4833, 17.0053, 13.0775

Complementary

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



22.3069, 17.0053, 92.5491



49.5616, 40.5977, 5.2260

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.



7.0913, 17.0053, 2.7103



22.3069, 17.0053, 92.5491



18.3801, 17.0053, 0.0000

Square

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



22.3069, 17.0053, 92.5491



34.2084, 17.0053, 6.8130



11.2656, 17.0053, 0.3195



5.9349, 17.0053, 39.1428

Rectangle

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



22.3069, 17.0053, 92.5491



34.7264, 17.0053, 35.2287



11.2656, 17.0053, 0.3195



5.7760, 17.0053, 8.1559

Sweetspot

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



22.3078, 17.0057, 92.5496



59.7242, 63.1426, 103.6477



39.0466, 70.3160, 36.9871



11.9495, 12.6035, 22.0529



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.



22.3078, 17.0057, 92.5496



23.3135, 17.7471, 96.8045



17.4826, 7.0205, 90.8766



16.8819, 17.8406, 21.9391



11.9648, 9.2851, 49.1351



1.2103, 1.0644, 4.5848

Inverse Universe

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



41.9751, 21.3456, 15.2722



43.8968, 22.3227, 15.9205



67.9011, 85.7524, 12.9752



17.5469, 17.3461, 19.4698



22.3313, 11.3482, 8.4529



2.1198, 1.0717, 1.0545

Previews

White Background



This preview shows how the XYZ color 22.3069, 17.0053, 92.5491 looks on a white background.

Color Contrast Check

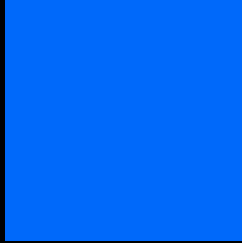
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.3069, 17.0053, 92.5491 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

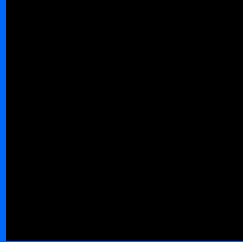
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

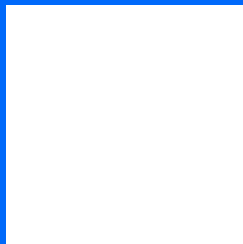
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.3069, 17.0053, 92.5491

Background



This preview shows how black text looks on a background with the XYZ color 22.3069, 17.0053, 92.5491.



This preview shows how white text looks on a background with the XYZ color 22.3069, 17.0053,

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

22.3069, 17.0053, 92.5491

Protanopia

20.2839, 17.0351, 79.3098

Deuteranopia

16.7866, 16.8927, 57.0195



Tritanopia

11.8924, 16.9000, 25.1895

Trichromacy



Original Color

22.3069, 17.0053, 92.5491

Protanomaly

20.9425, 16.9571, 83.8306

Deuteranomaly

18.5600, 16.8722, 68.6081

Tritanomaly

14.4333, 16.3282, 43.4652

Monochromacy



Original Color

22.3069, 17.0053, 92.5491

Achromatopsia

9.7181, 10.2242, 11.1341

Achromatomaly

11.1248, 11.1924, 29.5910

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.3069, 17.0053, 92.5491 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, 105, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 105, 250)  
}
```

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, 105, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 105, 250) }
```

Border

The CSS property to change the border of an element to XYZ 22.3069, 17.0053, 92.5491 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, 105, 250) }
```


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

```
.border{ border-color:rgb(0, 105, 250) }
```

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

Here you see how a box with a 4 pixel rgb(0, 105, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 105, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 105, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 105,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 22.3069, 17.0053, 92.5491 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 105, 250) }
```

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

```
.background{ background-color: rgb(0, 105,  
250) }
```

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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