

Converting Colors

XYZ(22.3428, 17.1022, 92.4837)

Have a look what the booklet for
XYZ(22.3428, 17.1022, 92.4837)
contains.

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Color

**XYZ(22.4094, 17.2102,
92.5833)**

Conversions

Conversions Part 1

Format	Color
Hex	006AFA
RGB	0, 106, 250
RGB Percent	0%, 42%, 98%
CMY	0.9997, 0.5843, 0.0196
CMYK	1.00, 0.58, 0.00, 0.02
HSL	215°, 100%, 49%
HSV	215°, 100%, 98%
XYZ	22.4094, 17.2102, 92.5833
YIQ	90.7220, -109.4000, 22.3120

Conversions

Conversions Part 2

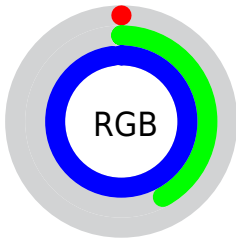
Format	Color
RYB	0, 74, 250
Decimal	27386
CIELab	48.52, 30.77, -78.23
CIELCh	49, 84.061, 291.470
Yxy	17.2102, 0.1695, 0.1302
Android (android.graphics.Color)	4278217466 (0xFF006AFA)
YUV	90.7220, 78.5241, -79.5632
Hunter-Lab	41.4852, 23.8228, -103.2791

Details

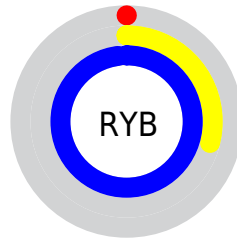
The XYZ color **22.4094, 17.2102, 92.5833** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **49.4102, 40.2947, 5.1757**, and the grayscale version is **9.7322, 10.2390, 11.1503**.

A 20% lighter version of the original color is **36.6206, 34.4417, 99.3255**, and **11.1303, 7.0375, 50.6409** is the 20% darker color. If you saturate the color by 10%, you get **22.4048, 17.2009, 92.5822**, and if you desaturate by 10%, it is **24.4234, 20.6401, 93.1397**.

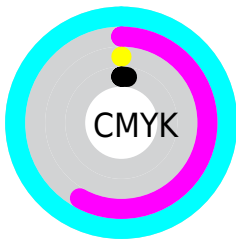
Distribution



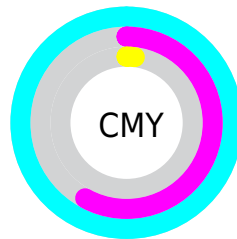
- Red (0%)
- Green (42%)
- Blue (98%)



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



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



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4094, 17.2102, 92.5833 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 22.4094, 17.2102, 92.5833 by changing the saturation by 10% instead.

■ 22.4094, 17.2102,
92.5833

■ 22.4094, 17.2102,
92.5833

257.2692,
236.3808, 557.1844

■ 14.2763, 10.3845,
69.5395

■ 46.8956, 38.6868,
152.8883

■ 8.3961, 5.6546,
50.6767

■ 63.9793, 54.1065,
190.9865

■ 4.4033, 2.6362,
35.5764

■ 84.7774, 73.1597,
234.9400

■ 1.9328, 0.9449,
23.8201

■ 109.6551, 96.2306,
285.1672

■ 0.5958, 0.0000,
14.9893

■ 138.9777,
123.7038, 342.0867

■ 0.0000, 0.0000,
8.6653

173.1108,

■ 0.0000, 0.0000,

155.9637, 406.1170

4.4297

212.4195,
193.3945, 477.6767

■ 0.0000, 0.0000,
1.8639

■ 0.0000, 0.0000,
0.4696

■ 22.4094, 17.2102,
92.5833

■ 22.4094, 17.2102,
92.5833

■ 22.4048, 17.2009,
92.5822

■ 24.4234, 20.6401,
93.1397

■ 27.2119, 24.8568,
93.8066

■ 30.9443, 29.9635,
94.5956

■ 35.7267, 36.0302,
95.5145

■ 41.6490, 43.1176,
96.5704

■ 48.7909, 51.2806,
97.7696

■ 57.2241, 60.5691,
99.1180

■ 67.0145, 71.0299,
100.6211

■ 78.2231, 82.7064,
102.2841

Harmonies

Analogous

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



14.2549, 17.2102, 99.9587



22.4094, 17.2102, 92.5833



30.9206, 17.2102, 59.6090

Triad

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



22.4094, 17.2102, 92.5833



27.4459, 17.2102, 1.2810



5.6371, 17.2102, 13.1181

Complementary

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



22.4094, 17.2102, 92.5833



49.4102, 40.2947, 5.1757

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.



7.2819, 17.2102, 2.7789



22.4094, 17.2102, 92.5833



18.6579, 17.2102, 0.0371

Square

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



22.4094, 17.2102, 92.5833



34.4073, 17.2102, 7.0947



11.5073, 17.2102, 0.3799



6.0731, 17.2102, 38.9834

Rectangle

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



22.4094, 17.2102, 92.5833



34.8365, 17.2102, 35.7398



11.5073, 17.2102, 0.3799



5.9397, 17.2102, 8.2216

Sweetspot

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



22.4103, 17.2106, 92.5838



59.7999, 63.2940, 103.6729



39.0468, 70.3161, 36.9879



11.9673, 12.6390, 22.0588



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.



22.4103, 17.2106, 92.5838



23.4203, 17.9606, 96.8401



17.4828, 7.0206, 90.8767



16.8877, 17.8523, 21.9410



12.0196, 9.3947, 49.1534



1.2157, 1.0751, 4.5866

Inverse Universe

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



42.0269, 21.3664, 15.5445



43.9507, 22.3443, 16.2043



67.9013, 85.7525, 12.9753



17.5499, 17.3473, 19.4853



22.3589, 11.3593, 8.5986



2.1226, 1.0728, 1.0688

Previews

White Background



This preview shows how the XYZ color 22.4094, 17.2102, 92.5833 looks on a white background.

Color Contrast Check

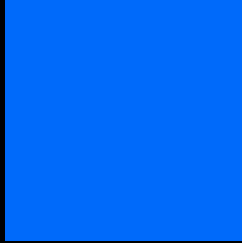
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4094, 17.2102, 92.5833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

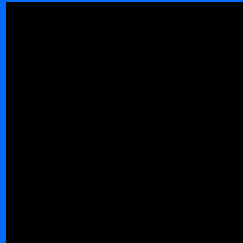
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

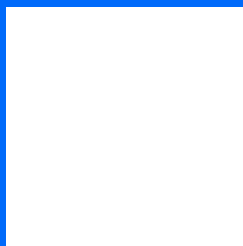
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4094, 17.2102, 92.5833

Background



This preview shows how black text looks on a background with the XYZ color 22.4094, 17.2102, 92.5833.



This preview shows how white text looks on a background with the XYZ color 22.4094, 17.2102,

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

22.4094, 17.2102, 92.5833

Protanopia

20.4272, 17.0924, 80.0644

Deuteranopia

16.9039, 16.9396, 57.6371



Tritanopia

11.9625, 16.9280, 25.5586

Trichromacy



Original Color

22.4094, 17.2102, 92.5833

Protanomaly

21.1968, 17.2285, 84.6463

Deuteranomaly

18.6913, 16.9247, 69.2995

Tritanomaly

14.5326, 16.3680, 43.9884

Monochromacy



Original Color

22.4094, 17.2102, 92.5833

Achromatopsia

9.9438, 10.4616, 11.3927

Achromatomaly

11.3526, 11.4352, 30.0426

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4094, 17.2102, 92.5833 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, 106, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 106, 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, 106, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 106, 250) }
```

Border

The CSS property to change the border of an element to XYZ 22.4094, 17.2102, 92.5833 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, 106, 250) }
```


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

```
.border{ border-color:rgb(0, 106, 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, 106, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 106, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 106, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 106,  
250) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4094, 17.2102, 92.5833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 106, 250) }
```

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

```
.background{ background-color: rgb(0, 106,  
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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