

Converting Colors

XYZ(22.2987, 16.3700, 94.4542)

Have a look what the booklet for
XYZ(22.2987, 16.3700, 94.4542)
contains.

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Color

**XYZ(22.2244, 16.3356,
94.0772)**

Conversions

Conversions Part 1

Format	Color
Hex	0065FC
RGB	0, 101, 252
RGB Percent	0%, 40%, 99%
CMY	0.9997, 0.6039, 0.0118
CMYK	1.00, 0.60, 0.00, 0.01
HSL	216°, 100%, 49%
HSV	216°, 100%, 99%
XYZ	22.2244, 16.3356, 94.0772
YIQ	88.0150, -108.6670, 25.5490

Conversions

Conversions Part 2

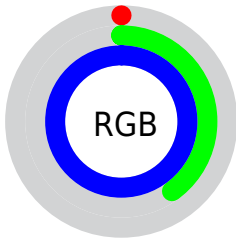
Format	Color
RYB	0, 72, 252
Decimal	26108
CIELab	47.41, 34.71, -81.16
CIELCh	47, 88.269, 293.155
Yxy	16.3356, 0.1676, 0.1232
Android (android.graphics.Color)	4278216188 (0xFF0065FC)
YUV	88.0150, 80.8446, -77.1892
Hunter-Lab	40.4173, 27.4220, -109.7140

Details

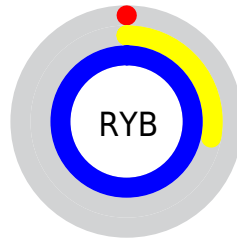
The XYZ color **22.2244, 16.3356, 94.0772** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **51.2252, 42.8552, 5.5743**, and the grayscale version is **9.1308, 9.6064, 10.4613**.

A 20% lighter version of the original color is **35.9267, 32.8639, 99.0576**, and **11.1518, 6.7234, 51.7489** is the 20% darker color. If you saturate the color by 10%, you get **22.2197, 16.3262, 94.0761**, and if you desaturate by 10%, it is **24.2360, 19.7533, 94.6313**.

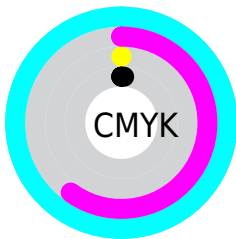
Distribution



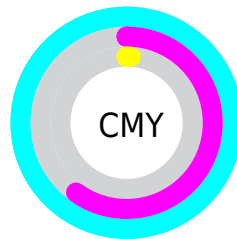
- Red (0%)
- Green (40%)
- Blue (99%)



- Red (0%)
- Yellow (28%)
- Blue (99%)



- Cyan (100%)
- Magenta (60%)
- Yellow (0%)
- Black (1%)



- Cyan (100%)
- Magenta (60%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2244, 16.3356, 94.0772 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 22.2244, 16.3356, 94.0772 by changing the saturation by 10% instead.

■ 22.2244, 16.3356,
94.0772

■ 22.2244, 16.3356,
94.0772

256.3263,
231.3140, 562.1152

■ 14.1394, 9.7619,
70.7745

■ 46.5927, 37.1798,
154.9737

■ 8.3000, 5.2414,
51.6775

■ 63.6067, 52.2192,
193.4046

■ 4.3409, 2.3896,
36.3676

■ 84.3278, 70.8493,
237.7153

■ 1.8968, 0.8205,
24.4263

■ 109.1212, 93.4545,
288.3244

■ 0.5750, 0.0000,
15.4350

■ 138.3525,
120.4191, 345.6504

■ 0.0000, 0.0000,
8.9753

172.3868,

■ 0.0000, 0.0000,

152.1277, 410.1118

4.6285

211.5897,
188.9645, 482.1272

■ 0.0000, 0.0000,
1.9761

■ 0.0000, 0.0000,
0.5405

■ 22.2244, 16.3356,
94.0772

■ 22.2244, 16.3356,
94.0772

■ 22.2197, 16.3262,
94.0761

■ 24.2360, 19.7533,
94.6313

■ 27.0543, 24.0074,
95.3039

■ 30.8532, 29.2063,
96.1072

■ 35.7423, 35.4244,
97.0497

■ 41.8149, 42.7264,
98.1391

■ 49.1534, 51.1707,
99.3822

■ 57.8323, 60.8110,
100.7856

■ 67.9198, 71.6970,
102.3551

■ 79.4793, 83.8753,
104.0965

Harmonies

Analogous

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



13.8017, 16.3356, 104.0102



22.2244, 16.3356, 94.0772



30.9436, 16.3356, 58.1461

Triad

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



22.2244, 16.3356, 94.0772



26.4065, 16.3356, 0.7765



4.8682, 16.3356, 13.1302

Complementary

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



22.2244, 16.3356, 94.0772



51.2252, 42.8552, 5.5743

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.



6.3316, 16.3356, 2.4417



22.2244, 16.3356, 94.0772



17.3893, 16.3356, 0.0000

Square

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



22.2244, 16.3356, 94.0772



33.8707, 16.3356, 5.6554



10.3308, 16.3356, 0.0409



5.3959, 16.3356, 40.6738

Rectangle

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



22.2244, 16.3356, 94.0772



34.8321, 16.3356, 33.4198



10.3308, 16.3356, 0.0409



5.1208, 16.3356, 7.9954

Sweetspot

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



22.2253, 16.3359, 94.0777



59.3613, 62.4167, 103.5267



40.0807, 71.7293, 39.3502



11.8644, 12.4333, 22.0245



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.



22.2253, 16.3359, 94.0777



22.8164, 16.7528, 96.6388



17.8825, 7.1903, 92.5413



16.8537, 17.7842, 21.9297



11.7093, 8.7741, 49.0500



1.1851, 1.0139, 4.5764

Inverse Universe

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



42.4949, 21.6368, 14.2482



43.6459, 22.2223, 14.5990



67.7683, 86.6115, 13.1482



17.5327, 17.3404, 19.3949



22.2023, 11.2966, 7.7738



2.1071, 1.0666, 0.9874

Previews

White Background



This preview shows how the XYZ color 22.2244, 16.3356, 94.0772 looks on a white background.

Color Contrast Check

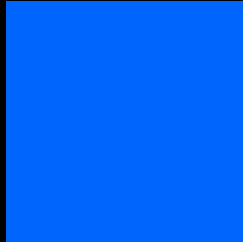
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2244, 16.3356, 94.0772 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

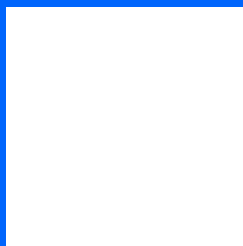
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2244, 16.3356, 94.0772

Background



This preview shows how black text looks on a background with the XYZ color 22.2244, 16.3356, 94.0772.



This preview shows how white text looks on a background with the XYZ color 22.2244, 16.3356,

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

22.2244, 16.3356, 94.0772

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

15.9811, 16.2016, 53.9147



Tritanopia

11.3044, 16.0540, 23.9757

Trichromacy



Original Color

22.2244, 16.3356, 94.0772

Protanomaly

20.3376, 16.2176, 82.1792

Deuteranomaly

17.9706, 16.1097, 67.1281

Tritanomaly

13.9833, 15.5859, 42.8288

Monochromacy



Original Color

22.2244, 16.3356, 94.0772

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.8905, 10.8076, 29.5291

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2244, 16.3356, 94.0772 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, 101, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 101, 252)  
}
```

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, 101, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 101, 252) }
```

Border

The CSS property to change the border of an element to XYZ 22.2244, 16.3356, 94.0772 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, 101, 252) }
```


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

```
.border{ border-color:rgb(0, 101, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 101, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 101, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 101, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 101,  
252) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2244, 16.3356, 94.0772 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 101, 252) }
```

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

```
.background{ background-color: rgb(0, 101,  
252) }
```

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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