

Converting Colors

XYZ(22.2258, 16.2242, 94.4299)

Have a look what the booklet for
XYZ(22.2258, 16.2242, 94.4299)
contains.

XYZ(22.1279, 16.1426, 94.0450)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(22.1279, 16.1426,
94.0450)**

Conversions

Conversions Part 1

Format	Color
Hex	0064FC
RGB	0, 100, 252
RGB Percent	0%, 39%, 99%
CMY	0.9997, 0.6078, 0.0118
CMYK	1.00, 0.60, 0.00, 0.01
HSL	216°, 100%, 49%
HSV	216°, 100%, 99%
XYZ	22.1279, 16.1426, 94.0450
YIQ	87.4280, -108.3920, 26.0720

Conversions

Conversions Part 2

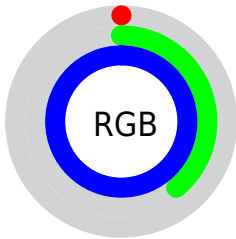
Format	Color
RYB	0, 72, 252
Decimal	25852
CIELab	47.16, 35.34, -81.57
CIElCh	47, 88.897, 293.426
Yxy	16.1426, 0.1672, 0.1220
Android (android.graphics.Color)	4278215932 (0xFF0064FC)
YUV	87.4280, 81.1340, -76.6744
Hunter-Lab	40.1779, 27.9974, -110.6566

Details

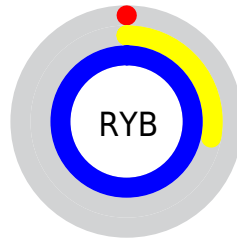
The XYZ color **22.1279, 16.1426, 94.0450** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **51.3870, 43.1788, 5.6282**, and the grayscale version is **9.0038, 9.4727, 10.3158**.

A 20% lighter version of the original color is **35.7664, 32.5434, 99.0042**, and **11.1038, 6.6274, 51.7329** is the 20% darker color. If you saturate the color by 10%, you get **22.1232, 16.1331, 94.0439**, and if you desaturate by 10%, it is **24.1326, 19.5466, 94.5968**.

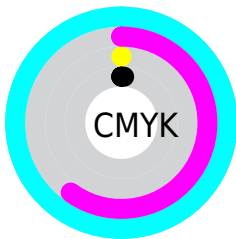
Distribution



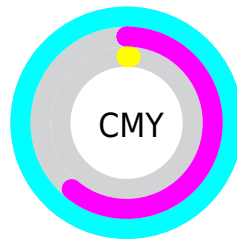
- Red (0%)
- Green (39%)
- Blue (99%)



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



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



- Cyan (100%)
- Magenta (61%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1279, 16.1426, 94.0450 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 22.1279, 16.1426, 94.0450 by changing the saturation by 10% instead.

■ 22.1279, 16.1426,
94.0450

■ 22.1279, 16.1426,
94.0450

255.8333,
230.1817, 562.0092

■ 14.0680, 9.6251,
70.7479

■ 46.4346, 36.8456,
154.9288

■ 8.2500, 5.1511,
51.6559

■ 63.4121, 51.7999,
193.3525

■ 4.3085, 2.3362,
36.3505

■ 84.0929, 70.3352,
237.6556

■ 1.8781, 0.7928,
24.4132

■ 108.8423, 92.8360,
288.2565

■ 0.5641, 0.0000,
15.4254

■ 138.0257,
119.6867, 345.5737

■ 0.0000, 0.0000,
8.9685

172.0084,

■ 0.0000, 0.0000,

151.2716, 410.0259

4.6241

211.1558,
187.9751, 482.0315

■ 0.0000, 0.0000,
1.9736

■ 0.0000, 0.0000,
0.5390

■ 22.1279, 16.1426,
94.0450

■ 22.1279, 16.1426,
94.0450

■ 22.1232, 16.1331,
94.0439

■ 24.1326, 19.5466,
94.5968

■ 26.9471, 23.7929,
95.2681

■ 30.7454, 28.9906,
96.0712

■ 35.6374, 35.2146,
97.0147

■ 41.7168, 42.5300,
98.1063

■ 49.0661, 50.9960,
99.3530

■ 57.7600, 60.6663,
100.7614

■ 67.8670, 71.5912,
102.3374

■ 79.4507, 83.8178,
104.0869

Harmonies

Analogous

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



13.6860, 16.1426, 104.3914



22.1279, 16.1426, 94.0450



30.8556, 16.1426, 57.7237

Triad

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



22.1279, 16.1426, 94.0450



26.1543, 16.1426, 0.6935



4.7316, 16.1426, 13.0950

Complementary

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



22.1279, 16.1426, 94.0450



51.3870, 43.1788, 5.6282

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.



6.1612, 16.1426, 2.3811



22.1279, 16.1426, 94.0450



17.1288, 16.1426, 0.0000

Square

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



22.1279, 16.1426, 94.0450



33.6790, 16.1426, 5.4164



10.1097, 16.1426, 0.0000



5.2713, 16.1426, 40.8451

Rectangle

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



22.1279, 16.1426, 94.0450



34.7275, 16.1426, 32.9359



10.1097, 16.1426, 0.0000



4.9756, 16.1426, 7.9353

Sweetspot

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



22.1288, 16.1429, 94.0455



59.2868, 62.2677, 103.5019



40.4164, 71.8636, 41.1181



11.8469, 12.3984, 22.0187



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.



22.1288, 16.1429, 94.0455



22.7173, 16.5546, 96.6058



17.9793, 7.2402, 92.5458



16.8479, 17.7726, 21.9278



11.6583, 8.6721, 49.0330



1.1800, 1.0037, 4.5747

Inverse Universe

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



42.4461, 21.6174, 13.9917



43.5958, 22.2023, 14.3357



66.4292, 85.9211, 13.0855



17.5298, 17.3393, 19.3795



22.1766, 11.2864, 7.6382



2.1045, 1.0656, 0.9739

Previews

White Background



This preview shows how the XYZ color 22.1279, 16.1426, 94.0450 looks on a white background.

Color Contrast Check

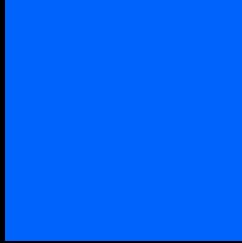
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1279, 16.1426, 94.0450 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

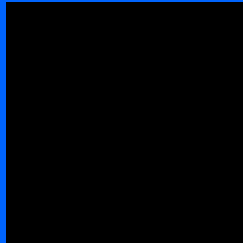
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

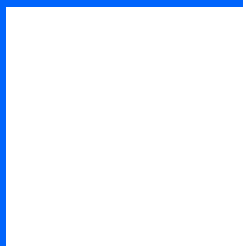
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1279, 16.1426, 94.0450

Background



This preview shows how black text looks on a background with the XYZ color 22.1279, 16.1426, 94.0450.



This preview shows how white text looks on a background with the XYZ color 22.1279, 16.1426,

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

22.1279, 16.1426, 94.0450

Protanopia

19.1228, 16.0614, 74.7653

Deuteranopia

15.7549, 15.9297, 53.2833



Tritanopia

11.1797, 15.8046, 23.9341

Trichromacy



Original Color

22.1279, 16.1426, 94.0450

Protanomaly

20.0906, 15.9568, 81.3780

Deuteranomaly

17.7344, 15.8436, 66.4134

Tritanomaly

13.8686, 15.3566, 42.7906

Monochromacy



Original Color

22.1279, 16.1426, 94.0450

Achromatopsia

9.0590, 9.5307, 10.3790

Achromatomaly

10.6692, 10.5731, 29.0823

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1279, 16.1426, 94.0450 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, 100, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 100, 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, 100, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 100, 252) }
```

Border

The CSS property to change the border of an element to XYZ 22.1279, 16.1426, 94.0450 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, 100, 252) }
```


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

```
.border{ border-color:rgb(0, 100, 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, 100, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 100, 252); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 100, 252); box-shadow:4px 4px 4px 4px rgb(0, 100, 252) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1279, 16.1426, 94.0450 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 100, 252) }
```

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

```
.background{ background-color: rgb(0, 100,  
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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor