

Converting Colors

XYZ(21.8891, 16.4196, 91.6390)

Have a look what the booklet for
XYZ(21.8891, 16.4196, 91.6390)
contains.

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Color

**XYZ(21.8503, 16.3423,
91.6253)**

Conversions

Conversions Part 1

Format	Color
Hex	0066F9
RGB	0, 102, 249
RGB Percent	0%, 40%, 98%
CMY	0.9997, 0.6000, 0.0235
CMYK	1.00, 0.59, 0.00, 0.02
HSL	215°, 100%, 49%
HSV	215°, 100%, 98%
XYZ	21.8503, 16.3423, 91.6253
YIQ	88.2600, -107.9790, 24.0930

Conversions

Conversions Part 2

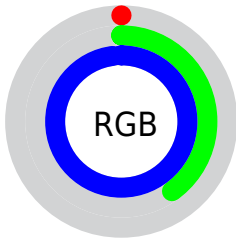
Format	Color
RYB	0, 72, 249
Decimal	26361
CIELab	47.42, 32.93, -79.47
CIELCh	47, 86.028, 292.509
Yxy	16.3423, 0.1683, 0.1259
Android (android.graphics.Color)	4278216441 (0xFF0066F9)
YUV	88.2600, 79.2448, -77.4040
Hunter-Lab	40.4256, 25.7356, -106.0838

Details

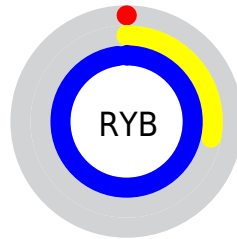
The XYZ color **21.8503, 16.3423, 91.6253** is a dark color, and the websafe version is hex **0066FF**. The color can be described as dark saturated azure. A complement of this color would be **49.5134, 41.0317, 5.3125**, and the grayscale version is **9.1870, 9.6654, 10.5257**.

A 20% lighter version of the original color is **35.9603, 33.1212, 99.1055**, and **10.8671, 6.6878, 50.0083** is the 20% darker color. If you saturate the color by 10%, you get **21.8458, 16.3333, 91.6243**, and if you desaturate by 10%, it is **23.8261, 19.6996, 92.1697**.

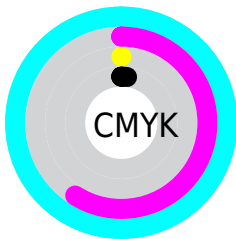
Distribution



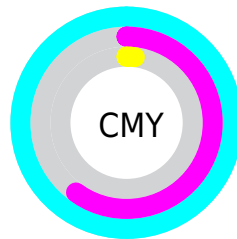
- Red (0%)
- Green (40%)
- Blue (98%)



- Red (0%)
- Yellow (28%)
- Blue (98%)



- Cyan (100%)
- Magenta (59%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (60%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8503, 16.3423, 91.6253 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 21.8503, 16.3423, 91.6253 by changing the saturation by 10% instead.

■ 21.8503, 16.3423,
91.6253

■ 21.8503, 16.3423,
91.6253

254.4106,
231.3532, 554.0098

■ 13.8629, 9.7667,
68.7482

■ 45.9791, 37.1914,
151.5491

■ 8.1065, 5.2445,
50.0362

■ 62.8513, 52.2338,
189.4329

■ 4.2155, 2.3915,
35.0707

■ 83.4158, 70.8671,
233.1560

■ 1.8248, 0.8215,
23.4334

■ 108.0380, 93.4759,
283.1369

■ 0.5325, 0.0000,
14.7055

■ 137.0832,
120.4445, 339.7942

■ 0.0000, 0.0000,
8.4687

170.9168,

■ 0.0000, 0.0000,

152.1573, 403.5464

4.3042

209.9042,
188.9987, 474.8121

■ 0.0000, 0.0000,
1.7937

■ 0.0000, 0.0000,
0.4238

■ 21.8503, 16.3423,
91.6253

■ 21.8503, 16.3423,
91.6253

■ 21.8458, 16.3333,
91.6243

■ 23.8261, 19.6996,
92.1697

■ 26.5796, 23.8571,
92.8270

■ 30.2795, 28.9191,
93.6091

■ 35.0319, 34.9566,
94.5239

■ 40.9266, 42.0315,
95.5789

■ 48.0433, 50.1995,
96.7803

■ 56.4537, 59.5116,
98.1345

■ 66.2236, 70.0154,
99.6470

■ 77.4144, 81.7553,
101.3232

Harmonies

Analogous

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



13.6983, 16.3423, 100.3602



21.8503, 16.3423, 91.6253



30.3157, 16.3423, 57.5504

Triad

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



21.8503, 16.3423, 91.6253



26.2772, 16.3423, 0.9439



5.0581, 16.3423, 12.8608

Complementary

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



21.8503, 16.3423, 91.6253



49.5134, 41.0317, 5.3125

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.



6.5608, 16.3423, 2.5186



21.8503, 16.3423, 91.6253



17.5243, 16.3423, 0.0000

Square

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



21.8503, 16.3423, 91.6253



33.4008, 16.3423, 6.0724



10.5681, 16.3423, 0.1597



5.5423, 16.3423, 39.2005

Rectangle

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



21.8503, 16.3423, 91.6253



34.1376, 16.3423, 33.6375



10.5681, 16.3423, 0.1597



5.3243, 16.3423, 7.9205

Sweetspot

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



21.8512, 16.3426, 91.6258



59.5280, 62.7501, 103.5823



39.0095, 69.8053, 38.3201



11.9035, 12.5114, 22.0375



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.



21.8512, 16.3426, 91.6258



23.0417, 17.2034, 96.7139



17.4053, 6.9987, 90.0566



16.8667, 17.8101, 21.9340



11.8251, 9.0058, 49.0886



1.1966, 1.0368, 4.5802

Inverse Universe

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



41.4662, 21.1008, 14.4575



43.7596, 22.2678, 15.1980



65.9528, 84.2879, 12.7953



17.5392, 17.3430, 19.4293



22.2608, 11.3200, 8.0818



2.1129, 1.0689, 1.0180

Previews

White Background



This preview shows how the XYZ color 21.8503, 16.3423, 91.6253 looks on a white background.

Color Contrast Check

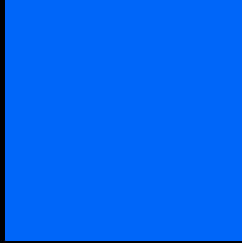
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.8503, 16.3423, 91.6253 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

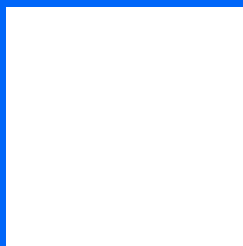
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8503, 16.3423, 91.6253

Background



This preview shows how black text looks on a background with the XYZ color 21.8503, 16.3423, 91.6253.



This preview shows how white text looks on a background with the XYZ color 21.8503, 16.3423,

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

21.8503, 16.3423, 91.6253

Protanopia

19.3662, 16.3266, 75.5294

Deuteranopia

16.0945, 16.2470, 54.5123



Tritanopia

11.3725, 16.0812, 24.3344

Trichromacy



Original Color

21.8503, 16.3423, 91.6253

Protanomaly

20.2944, 16.3642, 81.4459

Deuteranomaly

17.8417, 16.0582, 66.4492

Tritanomaly

13.9833, 15.5859, 42.8288

Monochromacy



Original Color

21.8503, 16.3423, 91.6253

Achromatopsia

9.2757, 9.7587, 10.6273

Achromatomaly

10.8117, 10.7760, 29.1139

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8503, 16.3423, 91.6253 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, 102, 249)` looks like.

```
.text, #text, p{  
    color:rgb(0, 102, 249)  
}
```

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, 102, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 102, 249) }
```

Border

The CSS property to change the border of an element to XYZ 21.8503, 16.3423, 91.6253 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, 102, 249) }
```


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

```
.border{ border-color:rgb(0, 102, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 102, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 102, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 102, 249);  
box-shadow:4px 4px 4px 4px rgb(0, 102,  
249) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8503, 16.3423, 91.6253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 102, 249) }
```

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

```
.background{ background-color: rgb(0, 102,  
249) }
```

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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