

Converting Colors

XYZ(18.9156, 10.2477, 91.3413)

Have a look what the booklet for
XYZ(18.9156, 10.2477, 91.3413)
contains.

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Color

**XYZ(18.9241, 10.2396,
91.4215)**

Conversions

Conversions Part 1

Format	Color
Hex	003DFA
RGB	0, 61, 250
RGB Percent	0%, 24%, 98%
CMY	0.9997, 0.7608, 0.0196
CMYK	1.00, 0.76, 0.00, 0.02
HSL	225°, 100%, 49%
HSV	225°, 100%, 98%
XYZ	18.9241, 10.2396, 91.4215
YIQ	64.3070, -97.0250, 45.8470

Conversions

Conversions Part 2

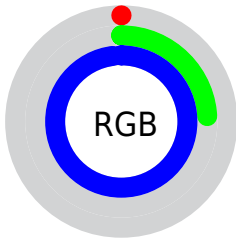
Format	Color
RYB	0, 49, 250
Decimal	15866
CIELab	38.27, 58.05, -95.11
CIELCh	38, 111.426, 301.395
Yxy	10.2396, 0.1569, 0.0849
Android (android.graphics.Color)	4278205946 (0xFF003DFA)
YUV	64.3070, 91.5466, -56.3972
Hunter-Lab	31.9994, 49.5642, -146.9906

Details

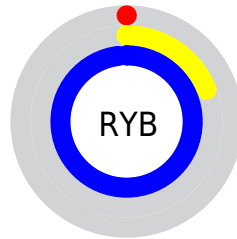
The XYZ color **18.9241, 10.2396, 91.4215** is a dark color, and the websafe version is hex **0033FF**. The color can be described as dark saturated blue. A complement of this color would be **57.6403, 56.7550, 7.9191**, and the grayscale version is **4.8002, 5.0502, 5.4996**.

A 20% lighter version of the original color is **30.8284, 22.0849, 97.2457**, and **9.6853, 4.1474, 50.1592** is the 20% darker color. If you saturate the color by 10%, you get **18.9208, 10.2329, 91.4208**, and if you desaturate by 10%, it is **20.5197, 12.8328, 91.8383**.

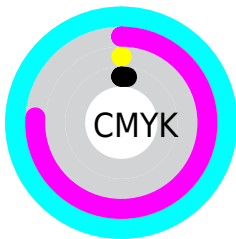
Distribution



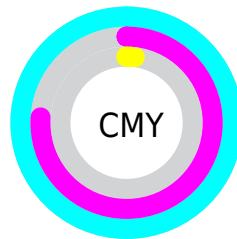
- Red (0%)
- Green (24%)
- Blue (98%)



- Red (0%)
- Yellow (19%)
- Blue (98%)



- Cyan (100%)
- Magenta (76%)
- Yellow (0%)
- Black (2%)



- Cyan (100%)
- Magenta (76%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.9241, 10.2396, 91.4215 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 18.9241, 10.2396, 91.4215 by changing the saturation by 10% instead.

■ 18.9241, 10.2396,
91.4215

■ 18.9241, 10.2396,
91.4215

238.9756,
192.3737, 553.3331

■ 11.7191, 5.5581,
68.5799

■ 41.1237, 26.2452,
151.2641

■ 6.6236, 2.5783,
49.9000

■ 56.8490, 38.3381,
189.1021

■ 3.2720, 0.9158,
34.9633

■ 76.1451, 53.6702,
232.7761

■ 1.2992, 0.0000,
23.3513

■ 99.3774, 72.6261,
282.7045

■ 0.1826, 0.0000,
14.6454

■ 126.9113, 95.5899,
339.3058

■ 0.0000, 0.0000,
8.4270

■ 159.1120,

■ 0.0000, 0.0000,

122.9462, 402.9987

4.2777

196.3450,
155.0793, 474.2016

■ 0.0000, 0.0000,
1.7789

■ 0.0000, 0.0000,
0.4140

■ 18.9241, 10.2396,
91.4215

■ 18.9241, 10.2396,
91.4215

■ 18.9208, 10.2329,
91.4208

■ 20.5197, 12.8328,
91.8383

■ 23.0183, 16.4697,
92.4086

■ 26.6081, 21.2910,
93.1500

■ 31.4115, 27.3997,
94.0760

■ 37.5336, 34.8867,
95.1984

■ 45.0675, 43.8337,
96.5283

■ 54.0974, 54.3157,
98.0756

■ 64.7009, 66.4027,
99.8497

■ 76.9499, 80.1598,
101.8595

Harmonies

Analogous

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



10.0749, 10.2396, 117.1866



18.9241, 10.2396, 91.4215



27.7610, 10.2396, 43.1585

Triad

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



18.9241, 10.2396, 91.4215



18.0252, 10.2396, 0.0000



1.3987, 10.2396, 12.1472

Complementary

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



18.9241, 10.2396, 91.4215



57.6403, 56.7550, 7.9191

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.



1.9166, 10.2396, 0.8833



18.9241, 10.2396, 91.4215



9.3978, 10.2396, 0.0000

Square

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



18.9241, 10.2396, 91.4215



27.0857, 10.2396, 0.5548



4.1364, 10.2396, 0.0000



2.0335, 10.2396, 47.4326

Rectangle

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



18.9241, 10.2396, 91.4215



30.9773, 10.2396, 18.2339



4.1364, 10.2396, 0.0000



1.4409, 10.2396, 6.1883

Sweetspot

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



18.9249, 10.2397, 91.4219



56.5246, 56.7434, 102.5811



43.2121, 71.9822, 58.9224



11.2042, 11.1129, 21.8044



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.



18.9249, 10.2397, 91.4219



19.7811, 10.6822, 95.6270



19.2781, 7.9461, 90.9605



16.6266, 17.3300, 21.8540



10.1296, 5.6147, 48.5234



1.0174, 0.6784, 4.5205

Inverse Universe

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



40.2675, 20.6626, 6.2802



42.1138, 21.6095, 6.5312



54.8071, 79.0021, 12.3625



17.4181, 17.2946, 18.7913



21.4050, 10.9777, 3.5750



2.0224, 1.0327, 0.5416

Previews

White Background



This preview shows how the XYZ color 18.9241, 10.2396, 91.4215 looks on a white background.

Color Contrast Check

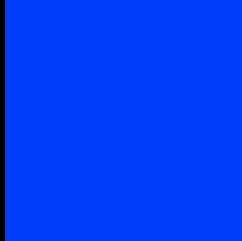
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9241, 10.2396, 91.4215 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 18.9241, 10.2396, 91.4215

Background



This preview shows how black text looks on a background with the XYZ color 18.9241, 10.2396, 91.4215.



This preview shows how white text looks on a background with the XYZ color 18.9241, 10.2396,

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

18.9241, 10.2396, 91.4215

Protanopia

11.6683, 9.9918, 45.0297

Deuteranopia

9.6599, 9.9874, 31.9905



Tritanopia

6.9605, 9.9232, 14.6452

Trichromacy



Original Color

18.9241, 10.2396, 91.4215

Protanomaly

13.7945, 9.7640, 59.5501

Deuteranomaly

12.1277, 9.5590, 49.3500

Tritanomaly

9.3343, 8.9313, 33.1302

Monochromacy



Original Color

18.9241, 10.2396, 91.4215

Achromatopsia

4.8732, 5.1269, 5.5832

Achromatomaly

6.8568, 5.6924, 22.5671

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.9241, 10.2396, 91.4215 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, 61, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 61, 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, 61, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 61, 250) }
```

Border

The CSS property to change the border of an element to XYZ 18.9241, 10.2396, 91.4215 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, 61, 250) }
```


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

```
.border{ border-color:rgb(0, 61, 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, 61, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 61, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 61, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 61, 250)  
}
```

Background

The CSS property to change the background color of an element to XYZ 18.9241, 10.2396, 91.4215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 61, 250) }
```

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

```
.background{ background-color: rgb(0, 61,  
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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