

Converting Colors

XYZ(15.2813, 11.1699,
105.9327)

Have a look what the booklet for
XYZ(15.2813, 11.1699, 105.9327)
contains.

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Color

**XYZ(21.7911, 14.7022,
96.2970)**

Conversions

Conversions Part 1

Format	Color
Hex	005BFF
RGB	0, 91, 255
RGB Percent	0%, 36%, 100%
CMY	0.9997, 0.6431, 0.0000
CMYK	1.00, 0.64, 0.00, 0.00
HSL	219°, 100%, 50%
HSV	219°, 100%, 100%
XYZ	21.7911, 14.7022, 96.2970
YIQ	82.4870, -106.8800, 31.7120

Conversions

Conversions Part 2

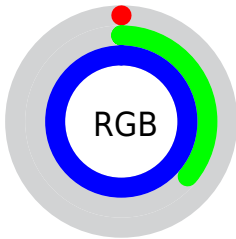
Format	Color
R _Y B	0, 67, 255
Decimal	23551
CIE Lab	45.22, 42.13, -86.42
CIE LCh	45, 96.139, 295.987
Yxy	14.7022, 0.1641, 0.1107
Android (android.graphics.Color)	4278213631 (0xFF005BFF)
YUV	82.4870, 85.0489, -72.3411
Hunter-Lab	38.3434, 34.3429, -122.0624

Details

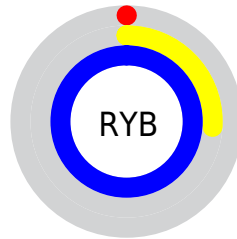
The XYZ color **21.7911, 14.7022, 96.2970** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **54.5299, 47.8391, 6.3620**, and the grayscale version is **7.9724, 8.3876, 9.1341**.

A 20% lighter version of the original color is **34.6451, 29.9146, 98.5558**, and **11.0946, 6.0642, 53.4091** is the 20% darker color. If you saturate the color by 10%, you get **21.7867, 14.6935, 96.2956**, and if you desaturate by 10%, it is **23.7652, 18.0338, 96.8361**.

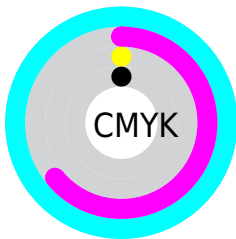
Distribution



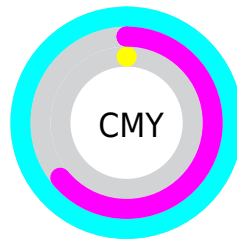
- Red (0%)
- Green (36%)
- Blue (100%)



- Red (0%)
- Yellow (26%)
- Blue (100%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (100%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.7911, 14.7022, 96.2970 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 21.7911, 14.7022, 96.2970 by changing the saturation by 10% instead.

■ 21.7911, 14.7022,
96.2970

■ 21.7911, 14.7022,
96.2970

254.1063,
221.5566, 569.3990

■ 13.8192, 8.6107,
72.6121

■ 45.8819, 34.3299,
158.0662

■ 8.0759, 4.4881,
53.1690

■ 62.7316, 48.6348,
196.9876

■ 4.1958, 1.9502,
37.5490

■ 83.2712, 66.4464,
241.8249

■ 1.8135, 0.5783,
25.3337

■ 107.8661, 88.1489,
292.9966

■ 0.5258, 0.0000,
16.1046

■ 136.8818,
114.1267, 350.9214

■ 0.0000, 0.0000,
9.4430

170.6834,

■ 0.0000, 0.0000,

144.7644, 416.0177

4.9305

209.6365,
180.4462, 488.7040

■ 0.0000, 0.0000,
2.1485

■ 0.0000, 0.0000,
0.6444

■ 21.7911, 14.7022,
96.2970

■ 21.7911, 14.7022,
96.2970

■ 21.7867, 14.6935,
96.2956

■ 23.7652, 18.0338,
96.8361

■ 26.6028, 22.2932,
97.5086

■ 30.4859, 27.5990,
98.3281

■ 35.5308, 34.0345,
99.3044

■ 41.8367, 41.6728,
100.4464

■ 49.4914, 50.5799,
101.7622

■ 58.5742, 60.8162,
103.2592

■ 69.1578, 72.4380,
104.9447

■ 81.3100, 85.4980,
106.8250

Harmonies

Analogous

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



12.9323, 14.7022, 111.2869



21.7911, 14.7022, 96.2970



30.8414, 14.7022, 55.0565

Triad

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



21.7911, 14.7022, 96.2970



24.3763, 14.7022, 0.0000



3.6049, 14.7022, 13.1384

Complementary

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



21.7911, 14.7022, 96.2970



54.5299, 47.8391, 6.3620

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.



4.7525, 14.7022, 1.8896



21.7911, 14.7022, 96.2970



15.0702, 14.7022, 0.0000

Square

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



21.7911, 14.7022, 96.2970



32.6887, 14.7022, 3.4738



8.2934, 14.7022, 0.0000



4.2506, 14.7022, 43.8395

Rectangle

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



21.7911, 14.7022, 96.2970



34.6468, 14.7022, 29.1063



8.2934, 14.7022, 0.0000



3.7765, 14.7022, 7.5813

Sweetspot

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



21.7919, 14.7024, 96.2970



58.5446, 60.7833, 103.2545



42.2407, 74.1124, 46.0417



11.6734, 12.0512, 21.9608



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.



21.7919, 14.7024, 96.2970



21.7867, 14.6935, 96.2956



18.7127, 7.5629, 95.0813



17.5331, 18.4379, 22.8847



11.5115, 7.9325, 50.3590



1.2195, 0.9697, 4.9362

Inverse Universe

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



43.1291, 22.0170, 11.8738



43.1261, 22.0145, 11.8622



65.5823, 86.8939, 13.3179



18.2770, 18.0941, 20.0758



22.5987, 11.5288, 6.5370



2.2502, 1.1424, 0.8988

Previews

White Background



This preview shows how the XYZ color 21.7911, 14.7022, 96.2970 looks on a white background.

Color Contrast Check

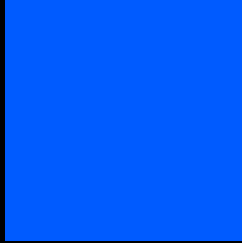
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.7911, 14.7022, 96.2970 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

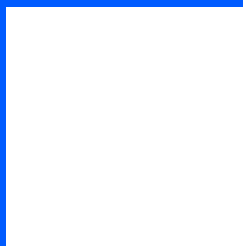
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.7911, 14.7022, 96.2970

Background



This preview shows how black text looks on a background with the XYZ color 21.7911, 14.7022, 96.2970.



This preview shows how white text looks on a background with the XYZ color 21.7911, 14.7022,

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

21.7911, 14.7022, 96.2970

Protanopia

17.1460, 14.4606, 66.8532

Deuteranopia

14.2256, 14.4401, 47.9364



Tritanopia

10.1801, 14.4375, 21.6522

Trichromacy



Original Color

21.7911, 14.7022, 96.2970

Protanomaly

18.6506, 14.4485, 76.6688

Deuteranomaly

16.3842, 14.1559, 62.8416

Tritanomaly

12.8090, 13.7037, 40.9997

Monochromacy



Original Color

21.7911, 14.7022, 96.2970

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

9.9843, 9.4878, 28.4992

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.7911, 14.7022, 96.2970 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, 91, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 91, 255)  
}
```

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, 91, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 91, 255) }
```

Border

The CSS property to change the border of an element to XYZ 21.7911, 14.7022, 96.2970 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, 91, 255) }
```


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

```
.border{ border-color:rgb(0, 91, 255) }
```

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

Here you see how a box with a 4 pixel rgb(0, 91, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 91, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 91, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 91, 255)  
}
```

Background

The CSS property to change the background color of an element to XYZ 21.7911, 14.7022, 96.2970 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 91, 255) }
```

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

```
.background{ background-color: rgb(0, 91,  
255) }
```

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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