

Converting Colors

XYZ(21.9927, 14.9145, 96.3274)

Have a look what the booklet for
XYZ(21.9927, 14.9145, 96.3274)
contains.

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Color

**XYZ(22.0023, 14.9388,
96.3316)**

Conversions

Conversions Part 1

Format	Color
Hex	0A5CFF
RGB	10, 92, 255
RGB Percent	4%, 36%, 100%
CMY	0.9605, 0.6392, 0.0000
CMYK	0.96, 0.64, 0.00, 0.00
HSL	220°, 100%, 52%
HSV	220°, 96%, 100%
XYZ	22.0023, 14.9388, 96.3316
YIQ	86.0640, -101.1950, 33.3090

Conversions

Conversions Part 2

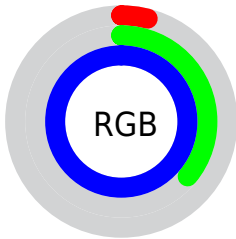
Format	Color
R _Y B	10, 71, 255
Decimal	679167
CIE Lab	45.55, 41.70, -85.88
CIE LCh	46, 95.468, 295.901
Yxy	14.9388, 0.1651, 0.1121
Android (android.graphics.Color)	4278869247 (0xFF0A5CFF)
YUV	86.0640, 83.2854, -66.7081
Hunter-Lab	38.6507, 33.9740, -120.7166

Details

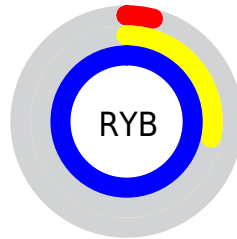
The XYZ color **22.0023, 14.9388, 96.3316** is a dark color, and the websafe version is hex **3366FF**. The color can be described as dark saturated blue. A complement of this color would be **56.2534, 51.1985, 7.2067**, and the grayscale version is **8.7082, 9.1618, 9.9771**.

A 20% lighter version of the original color is **34.9255, 30.2790, 98.6114**, and **11.0946, 6.0642, 53.4091** is the 20% darker color. If you saturate the color by 10%, you get **21.3217, 13.7633, 96.1406**, and if you desaturate by 10%, it is **24.2281, 18.5181, 96.9051**.

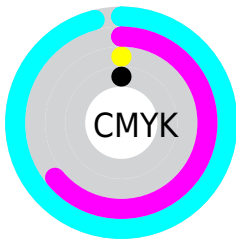
Distribution



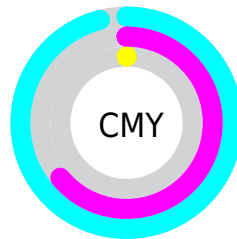
- Red (4%)
- Green (36%)
- Blue (100%)



- Red (4%)
- Yellow (28%)
- Blue (100%)



- Cyan (96%)
- Magenta (64%)
- Yellow (0%)
- Black (0%)



- Cyan (96%)
- Magenta (64%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0023, 14.9388, 96.3316 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 22.0023, 14.9388, 96.3316 by changing the saturation by 10% instead.

■ 22.0023, 14.9388,
96.3316

■ 22.0023, 14.9388,
96.3316

255.1904,
222.9955, 569.5121

■ 13.9752, 8.7764,
72.6408

■ 46.2286, 34.7458,
158.1144

■ 8.1850, 4.5957,
53.1922

■ 63.1586, 49.1592,
197.0433

■ 4.2664, 2.0120,
37.5675

■ 83.7868, 67.0918,
241.8888

■ 1.8539, 0.6144,
25.3479

■ 108.4788, 88.9279,
293.0693

■ 0.5498, 0.0000,
16.1151

■ 137.5997,
115.0519, 351.0033

■ 0.0000, 0.0000,
9.4504

171.5151,

■ 0.0000, 0.0000,

145.8482, 416.1094

4.9353

210.5902,
181.7013, 488.8062

■ 0.0000, 0.0000,
2.1513

■ 0.0000, 0.0000,
0.6460

■ 22.0023, 14.9388,
96.3316

■ 22.0023, 14.9388,
96.3316

■ 21.3217, 13.7633,
96.1406

■ 24.2281, 18.5181,
96.9051

■ 27.4322, 23.1208,
97.6247

■ 31.7499, 28.8438,
98.5018

■ 37.2918, 35.7700,
99.5466

■ 44.1539, 43.9728,
100.7682

■ 52.4218, 53.5189,
102.1750

■ 62.1738, 64.4702,
103.7748

■ 73.4818, 76.8842,
105.5750

■ 86.4130, 90.8150,
107.5823

Harmonies

Analogous

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



13.1313, 14.9388, 111.0949



22.0023, 14.9388, 96.3316



31.0497, 14.9388, 55.3750

Triad

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



22.0023, 14.9388, 96.3316



24.6423, 14.9388, 0.0000



3.7409, 14.9388, 13.3257

Complementary

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



22.0023, 14.9388, 96.3316



56.2534, 51.1985, 7.2067

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.



4.9125, 14.9388, 1.9807



22.0023, 14.9388, 96.3316



15.3228, 14.9388, 0.0000

Square

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



22.0023, 14.9388, 96.3316



32.9322, 14.9388, 3.6383



8.5005, 14.9388, 0.0000



4.3921, 14.9388, 43.9649

Rectangle

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



22.0023, 14.9388, 96.3316



34.8576, 14.9388, 29.4736



8.5005, 14.9388, 0.0000



3.9173, 14.9388, 7.7446

Sweetspot

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



22.0031, 14.9390, 96.3316



59.1374, 61.0890, 103.2822



43.0735, 74.4600, 49.7742



11.7688, 12.0769, 21.9607



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.



22.0031, 14.9390, 96.3316



21.3217, 13.7633, 96.1406



19.3231, 8.0386, 95.1409



17.4994, 18.3704, 22.8735



11.2632, 7.4360, 50.2762



1.1925, 0.9156, 4.9272

Inverse Universe

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



43.2811, 22.2514, 12.1386



42.8914, 21.9206, 10.6261



64.8068, 86.4878, 13.5674



18.2600, 18.0873, 19.9862



22.4734, 11.4786, 5.8772



2.2365, 1.1370, 0.8269

Previews

White Background



This preview shows how the XYZ color 22.0023, 14.9388, 96.3316 looks on a white background.

Color Contrast Check

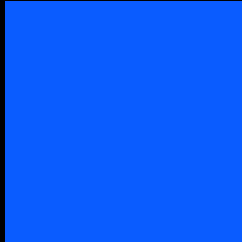
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.0023, 14.9388, 96.3316 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

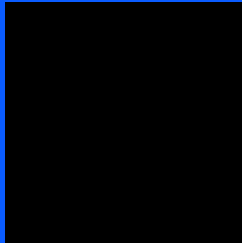
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.0023, 14.9388, 96.3316

Background



This preview shows how black text looks on a background with the XYZ color 22.0023, 14.9388, 96.3316.



This preview shows how white text looks on a background with the XYZ color 22.0023, 14.9388,

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

22.0023, 14.9388, 96.3316

Protanopia

17.5051, 14.7625, 68.2565

Deuteranopia

14.4389, 14.6970, 48.5302

Trichromacy



Original Color

22.0023, 14.9388, 96.3316

Protanomaly

18.9357, 14.7190, 77.4443

Deuteranomaly

16.6582, 14.4295, 63.5352

Monochromacy



Original Color

22.0023, 14.9388, 96.3316

Achromatopsia

8.8453, 9.3059, 10.1341

Achromatomaly

10.5011, 9.9856, 28.9777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0023, 14.9388, 96.3316 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(10, 92, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 92, 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(10, 92, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 92, 255) }
```

Border

The CSS property to change the border of an element to XYZ 22.0023, 14.9388, 96.3316 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(10, 92, 255) }
```

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

```
.border{ border-color:rgb(10, 92, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 92, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 92, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 92, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 92,  
255) }
```


Background

The CSS property to change the background color of an element to XYZ 22.0023, 14.9388, 96.3316 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 92, 255) }
```

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

```
.background{ background-color: rgb(10, 92,  
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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