

Converting Colors

XYZ(10.7186, 15.0349, 79.2493)

Have a look what the booklet for
XYZ(10.7186, 15.0349, 79.2493)
contains.

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Color

**XYZ(22.2974, 21.0619,
79.9810)**

Conversions

Conversions Part 1

Format	Color
Hex	007FE9
RGB	0, 127, 233
RGB Percent	0%, 50%, 91%
CMY	0.9997, 0.5020, 0.0863
CMYK	1.00, 0.45, 0.00, 0.09
HSL	207°, 100%, 46%
HSV	207°, 100%, 91%
XYZ	22.2974, 21.0619, 79.9810
YIQ	101.1110, -109.7180, 6.0420

Conversions

Conversions Part 2

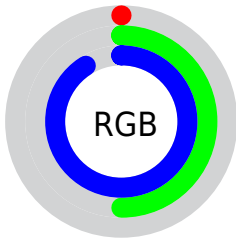
Format	Color
R _{YB}	0, 82, 233
Decimal	32745
CIE _{Lab}	53.02, 10.88, -61.46
CIE _{LCh}	53, 62.418, 280.043
Yxy	21.0619, 0.1808, 0.1708
Android (android.graphics.Color)	4278222825 (0xFF007FE9)
YUV	101.1110, 65.0213, -88.6743
Hunter-Lab	45.8932, 6.4117, -71.2031

Details

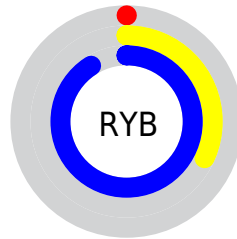
The XYZ color **22.2974, 21.0619, 79.9810** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.7660, 27.6462, 3.2950**, and the grayscale version is **12.2615, 12.9001, 14.0482**.

A 20% lighter version of the original color is **40.1140, 42.5244, 100.7015**, and **10.6325, 8.7266, 42.1983** is the 20% darker color. If you saturate the color by 10%, you get **22.2935, 21.0540, 79.9802**, and if you desaturate by 10%, it is **24.1016, 24.1331, 80.4792**.

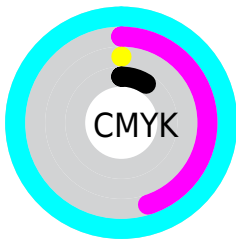
Distribution



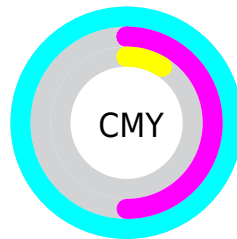
- Red (0%)
- Green (50%)
- Blue (91%)



- Red (0%)
- Yellow (32%)
- Blue (91%)



- Cyan (100%)
- Magenta (45%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (50%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2974, 21.0619, 79.9810 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 22.2974, 21.0619, 79.9810 by changing the saturation by 10% instead.

■ 22.2974, 21.0619,
79.9810

■ 22.2974, 21.0619,
79.9810

256.6987,
257.6073, 514.5739

■ 14.1934, 13.1693,
59.1766

■ 46.7122, 45.1905,
135.1502

■ 8.3379, 7.5452,
42.3344

■ 63.7538, 62.1953,
170.3521

■ 4.3655, 3.8053,
29.0357

■ 84.5053, 83.0062,
211.1902

■ 1.9109, 1.5653,
18.8620

■ 109.3320,
108.0078, 258.0832

■ 0.5832, 0.3340,
11.3948

■ 138.5994,
137.5842, 311.4495

■ 0.0000, 0.0000,
6.2155

172.6727,

■ 0.0000, 0.0000,

172.1200, 371.7077

2.9057

211.9174,
211.9996, 439.2763

■ 0.0000, 0.0000,
1.0467

■ 0.0000, 0.0000,
0.0000

■ 22.2974, 21.0619,
79.9810

■ 22.2974, 21.0619,
79.9810

■ 22.2935, 21.0540,
79.9802

■ 24.1016, 24.1331,
80.4792

■ 26.4875, 27.7244,
81.0467

■ 29.5971, 31.9150,
81.6916

■ 33.5144, 36.7543,
82.4192

■ 38.3109, 42.2843,
83.2339

■ 44.0491, 48.5430,
84.1395

■ 50.7855, 55.5647,
85.1397

■ 58.5718, 63.3810,
86.2380

■ 67.4560, 72.0216,
87.4376

Harmonies

Analogous

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



16.0185, 21.0619, 76.3257



22.2974, 21.0619, 79.9810



29.2690, 21.0619, 63.1395

Triad

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



22.2974, 21.0619, 79.9810



31.2979, 21.0619, 6.6693



10.3570, 21.0619, 12.6891

Complementary

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



22.2974, 21.0619, 79.9810



38.7660, 27.6462, 3.2950

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.



12.9570, 21.0619, 4.9147



22.2974, 21.0619, 79.9810



24.6350, 21.0619, 2.9880

Square

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



22.2974, 21.0619, 79.9810



35.1663, 21.0619, 17.1979



17.9008, 21.0619, 2.5920



9.9980, 21.0619, 29.8190

Rectangle

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



22.2974, 21.0619, 79.9810



33.0408, 21.0619, 46.0856



17.9008, 21.0619, 2.5920



10.9658, 21.0619, 9.2204

Sweetspot

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



22.2984, 21.0625, 79.9816



62.1674, 68.0289, 104.4621



31.6840, 59.2963, 23.1098



12.5258, 13.7561, 22.2450



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.



22.2984, 21.0625, 79.9816



27.2764, 25.6728, 98.1255



14.8370, 6.1398, 77.4945



14.9114, 15.9093, 19.2071



12.7753, 12.1976, 45.4240



1.0991, 1.1498, 3.5989

Inverse Universe

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



37.4360, 18.8576, 21.7455



45.8971, 23.1228, 26.4538



59.5549, 69.2240, 10.2247



15.4088, 15.1914, 17.4382



21.3037, 10.7242, 12.6664



1.7213, 0.8615, 1.2497

Previews

White Background



This preview shows how the XYZ color 22.2974, 21.0619, 79.9810 looks on a white 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

Black Background



This preview shows how the XYZ color 22.2974, 21.0619, 79.9810 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

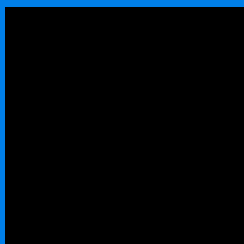
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

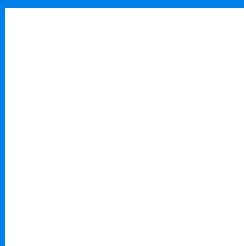
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2974, 21.0619, 79.9810

Background



This preview shows how black text looks on a background with the XYZ color 22.2974, 21.0619, 79.9810.



This preview shows how white text looks on a background with the XYZ color 22.2974, 21.0619,

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

22.2974, 21.0619, 79.9810

Protanopia

23.7872, 20.9763, 76.1939

Deuteranopia

21.4466, 20.9293, 74.8609



Tritanopia

14.8029, 20.9261, 31.6927

Trichromacy



Original Color

22.2974, 21.0619, 79.9810

Protanomaly

22.6629, 20.7328, 77.6703

Deuteranomaly

21.8620, 21.0955, 77.0483

Tritanomaly

16.9022, 20.6232, 46.2699

Monochromacy



Original Color

22.2974, 21.0619, 79.9810

Achromatopsia

12.3695, 13.0136, 14.1719

Achromatomaly

13.1151, 14.4118, 30.5243

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2974, 21.0619, 79.9810 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, 127, 233)` looks like.

```
.text, #text, p{  
    color:rgb(0, 127, 233)  
}
```

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, 127, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 127, 233) }
```

Border

The CSS property to change the border of an element to XYZ 22.2974, 21.0619, 79.9810 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, 127, 233) }
```


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

```
.border{ border-color:rgb(0, 127, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 127, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 127, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 127, 233);  
box-shadow:4px 4px 4px 4px rgb(0, 127,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2974, 21.0619, 79.9810 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 127, 233) }
```

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

```
.background{ background-color: rgb(0, 127,  
233) }
```

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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