

Converting Colors

XYZ(21.9449, 20.5737, 79.1957)

Have a look what the booklet for
XYZ(21.9449, 20.5737, 79.1957)
contains.

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Color

**XYZ(21.8991, 20.4934,
79.1454)**

Conversions

Conversions Part 1

Format	Color
Hex	007DE8
RGB	0, 125, 232
RGB Percent	0%, 49%, 91%
CMY	0.9998, 0.5098, 0.0902
CMYK	1.00, 0.46, 0.00, 0.09
HSL	208°, 100%, 46%
HSV	208°, 100%, 91%
XYZ	21.8991, 20.4934, 79.1454
YIQ	99.8230, -108.8470, 6.7770

Conversions

Conversions Part 2

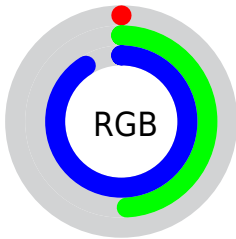
Format	Color
RYB	0, 81, 232
Decimal	32232
CIELab	52.39, 11.74, -61.91
CIELCh	52, 63.014, 280.736
Yxy	20.4934, 0.1802, 0.1686
Android (android.graphics.Color)	4278222312 (0xFF007DE8)
YUV	99.8230, 65.1633, -87.5448
Hunter-Lab	45.2696, 7.1272, -71.9686

Details

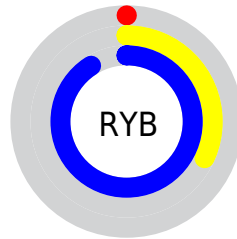
The XYZ color **21.8991, 20.4934, 79.1454** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.5435, 27.6844, 3.3139**, and the grayscale version is **11.9324, 12.5538, 13.6711**.

A 20% lighter version of the original color is **39.7160, 41.7285, 100.5689**, and **10.4904, 8.4423, 42.1509** is the 20% darker color. If you saturate the color by 10%, you get **21.8957, 20.4864, 79.1447**, and if you desaturate by 10%, it is **23.6874, 23.5364, 79.6390**.

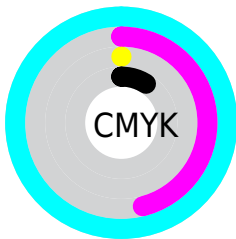
Distribution



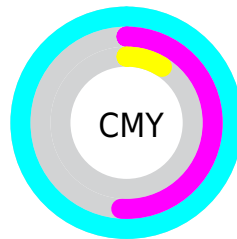
- Red (0%)
- Green (49%)
- Blue (91%)



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



- Cyan (100%)
- Magenta (46%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (51%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8991, 20.4934, 79.1454 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 21.8991, 20.4934, 79.1454 by changing the saturation by 10% instead.

■ 21.8991, 20.4934,
79.1454

■ 21.8991, 20.4934,
79.1454

254.6612,
254.5738, 511.6787

■ 13.8990, 12.7542,
58.4933

■ 46.0593, 44.2429,
133.9641

■ 8.1317, 7.2595,
41.7881

■ 62.9500, 61.0219,
168.9677

■ 4.2318, 3.6249,
28.6111

■ 83.5350, 81.5831,
209.5924

■ 1.8341, 1.4660,
18.5437

■ 108.1796,
106.3107, 256.2565

■ 0.5381, 0.2646,
11.1676

■ 137.2492,
135.5892, 309.3786

■ 0.0000, 0.0000,
6.0641

171.1091,

■ 0.0000, 0.0000,

169.8029, 369.3774

2.8147

210.1246,
209.3363, 436.6712

■ 0.0000, 0.0000,
1.0008

■ 0.0000, 0.0000,
0.0000

■ 21.8991, 20.4934,
79.1454

■ 21.8991, 20.4934,
79.1454

■ 21.8957, 20.4864,
79.1447

■ 23.6874, 23.5364,
79.6390

■ 26.0548, 27.1011,
80.2023

■ 29.1425, 31.2666,
80.8436

■ 33.0338, 36.0821,
81.5680

■ 37.7993, 41.5895,
82.3798

■ 43.5013, 47.8267,
83.2832

■ 50.1958, 54.8279,
84.2817

■ 57.9342, 62.6247,
85.3788

■ 66.7639, 71.2469,
86.5777

Harmonies

Analogous

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



15.6410, 20.4934, 75.9860



21.8991, 20.4934, 79.1454



28.8197, 20.4934, 61.8785

Triad

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



21.8991, 20.4934, 79.1454



30.5591, 20.4934, 6.1637



9.9060, 20.4934, 12.4698

Complementary

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



21.8991, 20.4934, 79.1454



38.5435, 27.6844, 3.3139

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.



12.4112, 20.4934, 4.7019



21.8991, 20.4934, 79.1454



23.8970, 20.4934, 2.7149

Square

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



21.8991, 20.4934, 79.1454



34.5088, 20.4934, 16.2913



17.2429, 20.4934, 2.3907



9.6029, 20.4934, 29.6632

Rectangle

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



21.8991, 20.4934, 79.1454



32.5337, 20.4934, 44.7676



17.2429, 20.4934, 2.3907



10.4871, 20.4934, 8.9969

Sweetspot

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



21.9000, 20.4940, 79.1460



62.0417, 67.7776, 104.4202



31.3784, 58.7224, 22.8934



12.4960, 13.6965, 22.2350



0.0000, 0.0000, 0.0000



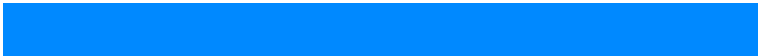
20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



21.9000, 20.4940, 79.1460



27.0471, 25.2141, 98.0490



14.6937, 6.0814, 76.7439



14.2227, 15.1668, 18.3222



12.2830, 11.6281, 43.9802



1.0004, 1.0447, 3.2809

Inverse Universe

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



36.9813, 18.6379, 21.0505



45.7813, 23.0765, 25.8442



58.9786, 68.5547, 10.1256



14.7000, 14.4972, 16.6206



20.5934, 10.3716, 12.0197



1.5686, 0.7851, 1.1347

Previews

White Background



This preview shows how the XYZ color 21.8991, 20.4934, 79.1454 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 21.8991, 20.4934, 79.1454 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

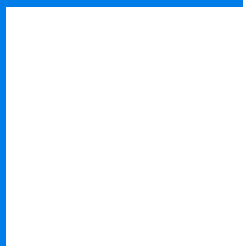
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8991, 20.4934, 79.1454

Background



This preview shows how black text looks on a background with the XYZ color 21.8991, 20.4934, 79.1454.



This preview shows how white text looks on a background with the XYZ color 21.8991, 20.4934,

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

21.8991, 20.4934, 79.1454

Protanopia

23.4395, 20.6158, 76.1426

Deuteranopia

20.9087, 20.5065, 72.6682



Tritanopia

14.3549, 20.2835, 30.7623

Trichromacy



Original Color

21.8991, 20.4934, 79.1454

Protanomaly

22.1846, 20.1341, 76.8458

Deuteranomaly

21.1883, 20.4127, 74.7748

Tritanomaly

16.4234, 19.9894, 45.1122

Monochromacy



Original Color

21.8991, 20.4934, 79.1454

Achromatopsia

12.1130, 12.7438, 13.8780

Achromatomaly

12.9283, 14.1654, 30.0698

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8991, 20.4934, 79.1454 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, 125, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 125, 232)  
}
```

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, 125, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 125, 232) }
```

Border

The CSS property to change the border of an element to XYZ 21.8991, 20.4934, 79.1454 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, 125, 232) }
```


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

```
.border{ border-color:rgb(0, 125, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 125, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 125, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 125, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 125,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8991, 20.4934, 79.1454 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 125, 232) }
```

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

```
.background{ background-color: rgb(0, 125,  
232) }
```

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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