

Converting Colors

XYZ(12.0887, 14.9036, 78.4656)

Have a look what the booklet for
XYZ(12.0887, 14.9036, 78.4656)
contains.

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Color

**XYZ(21.5250, 19.7453,
79.0207)**

Conversions

Conversions Part 1

Format	Color
Hex	007AE8
RGB	0, 122, 232
RGB Percent	0%, 48%, 91%
CMY	0.9998, 0.5216, 0.0902
CMYK	1.00, 0.47, 0.00, 0.09
HSL	208°, 100%, 46%
HSV	208°, 100%, 91%
XYZ	21.5250, 19.7453, 79.0207
YIQ	98.0620, -108.0220, 8.3460

Conversions

Conversions Part 2

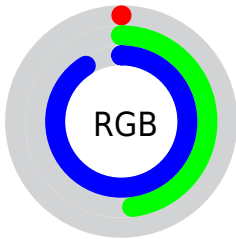
Format	Color
RYB	0, 80, 232
Decimal	31464
CIELab	51.55, 13.61, -63.27
CIElCh	52, 64.717, 282.144
Yxy	19.7453, 0.1789, 0.1641
Android (android.graphics.Color)	4278221544 (0xFF007AE8)
YUV	98.0620, 66.0314, -86.0004
Hunter-Lab	44.4357, 8.7044, -74.3314

Details

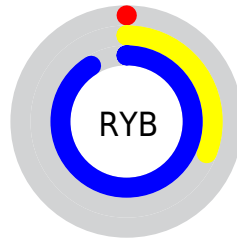
The XYZ color **21.5250, 19.7453, 79.0207** is a dark color, and the websafe version is hex **0066CC**. The color can be described as dark washed azure. A complement of this color would be **38.8613, 28.3201, 3.4197**, and the grayscale version is **11.4896, 12.0880, 13.1638**.

A 20% lighter version of the original color is **39.1299, 40.5563, 100.3735**, and **10.2539, 8.1273, 41.5857** is the 20% darker color. If you saturate the color by 10%, you get **21.5219, 19.7389, 79.0201**, and if you desaturate by 10%, it is **23.3128, 22.7874, 79.5142**.

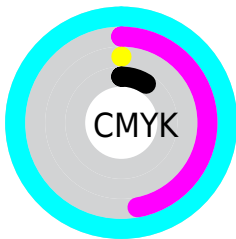
Distribution



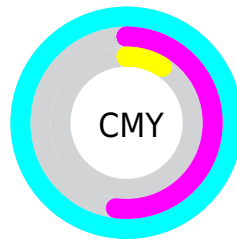
- Red (0%)
- Green (48%)
- Blue (91%)



- Red (0%)
- Yellow (31%)
- Blue (91%)



- Cyan (100%)
- Magenta (47%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (52%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5250, 19.7453, 79.0207 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 21.5250, 19.7453, 79.0207 by changing the saturation by 10% instead.

■ 21.5250, 19.7453,
79.0207

■ 21.5250, 19.7453,
79.0207

252.7348,
250.5329, 511.2458

■ 13.6229, 12.2100,
58.3914

■ 45.4444, 42.9897,
133.7869

■ 7.9388, 6.8869,
41.7066

■ 62.1924, 59.4677,
168.7610

■ 4.1073, 3.3915,
28.5478

■ 82.6198, 79.6954,
209.3536

■ 1.7630, 1.3394,
18.4964

■ 107.0919,
104.0571, 255.9835

■ 0.4952, 0.1714,
11.1338

■ 135.9742,
132.9374, 309.0691

■ 0.0000, 0.0000,
6.0416

169.6318,

■ 0.0000, 0.0000,

166.7205, 369.0290

2.8012

208.4302,
205.7909, 436.2818

■ 0.0000, 0.0000,
0.9940

■ 0.0000, 0.0000,
0.0000

■ 21.5250, 19.7453,
79.0207

■ 21.5250, 19.7453,
79.0207

■ 21.5219, 19.7389,
79.0201

■ 23.3128, 22.7874,
79.5142

■ 25.6872, 26.3661,
80.0798

■ 28.7895, 30.5612,
80.7260

■ 32.7036, 35.4225,
81.4580

■ 37.5006, 40.9930,
82.2804

■ 43.2428, 47.3110,
83.1972

■ 49.9868, 54.4114,
84.2123

■ 57.7842, 62.3266,
85.3291

■ 66.6827, 71.0868,
86.5510

Harmonies

Analogous

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



15.1856, 19.7453, 76.8393



21.5250, 19.7453, 79.0207



28.4793, 19.7453, 60.5275

Triad

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



21.5250, 19.7453, 79.0207



29.6598, 19.7453, 5.3028



9.1979, 19.7453, 12.2756

Complementary

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



21.5250, 19.7453, 79.0207



38.8613, 28.3201, 3.4197

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.



11.5602, 19.7453, 4.3701



21.5250, 19.7453, 79.0207



22.8722, 19.7453, 2.2475

Square

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



21.5250, 19.7453, 79.0207



33.8532, 19.7453, 14.8066



16.2558, 19.7453, 2.0485



8.9987, 19.7453, 29.9548

Rectangle

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



21.5250, 19.7453, 79.0207



32.1487, 19.7453, 42.9709



16.2558, 19.7453, 2.0485



9.7348, 19.7453, 8.7244

Sweetspot

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



21.5259, 19.7458, 79.0212



61.7835, 67.2611, 104.3341



31.5801, 58.8030, 23.9561



12.4349, 13.5742, 22.2146



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.



21.5259, 19.7458, 79.0212



26.5842, 24.2884, 97.8947



14.6508, 5.9957, 76.7296



14.2068, 15.1350, 18.3169



12.0752, 11.2125, 43.9110



0.9852, 1.0143, 3.2758

Inverse Universe

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



36.7924, 18.5623, 20.0563



45.5477, 22.9831, 24.6138



60.0073, 70.6122, 10.4684



14.6920, 14.4940, 16.5783



20.4885, 10.3296, 11.4674



1.5609, 0.7821, 1.0943

Previews

White Background



This preview shows how the XYZ color 21.5250, 19.7453, 79.0207 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 21.5250, 19.7453, 79.0207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

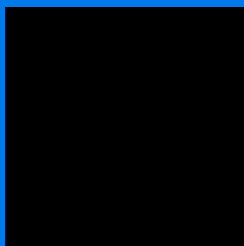
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

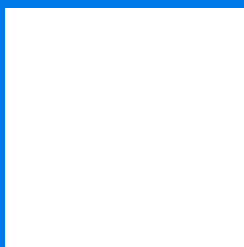
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.5250, 19.7453, 79.0207

Background



This preview shows how black text looks on a background with the XYZ color 21.5250, 19.7453, 79.0207.



This preview shows how white text looks on a background with the XYZ color 21.5250, 19.7453,

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

21.5250, 19.7453, 79.0207

Protanopia

22.7148, 19.8851, 76.0398

Deuteranopia

20.1198, 19.7817, 69.7757



Tritanopia

13.9150, 19.6527, 29.8480

Trichromacy



Original Color

21.5250, 19.7453, 79.0207

Protanomaly

21.7738, 19.5615, 76.7569

Deuteranomaly

20.6622, 19.7971, 73.2532

Tritanomaly

16.0521, 19.4069, 44.4948

Monochromacy



Original Color

21.5250, 19.7453, 79.0207

Achromatopsia

11.6093, 12.2139, 13.3009

Achromatomaly

12.5108, 13.6461, 29.5783

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5250, 19.7453, 79.0207 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, 122, 232)` looks like.

```
.text, #text, p{  
    color:rgb(0, 122, 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, 122, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 122, 232) }
```

Border

The CSS property to change the border of an element to XYZ 21.5250, 19.7453, 79.0207 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, 122, 232) }
```


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

```
.border{ border-color:rgb(0, 122, 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, 122, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 122, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 122, 232);  
box-shadow:4px 4px 4px 4px rgb(0, 122,  
232) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5250, 19.7453, 79.0207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 122, 232) }
```

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

```
.background{ background-color: rgb(0, 122,  
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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