

Converting Colors

XYZ(3.5936, 11.7954, 75.9724)

Have a look what the booklet for
XYZ(3.5936, 11.7954, 75.9724)
contains.

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Color

**XYZ(21.9931, 21.3577,
77.0920)**

Conversions

Conversions Part 1

Format	Color
Hex	0081E5
RGB	0, 129, 229
RGB Percent	0%, 51%, 90%
CMY	0.9998, 0.4941, 0.1020
CMYK	1.00, 0.44, 0.00, 0.10
HSL	206°, 100%, 45%
HSV	206°, 100%, 90%
XYZ	21.9931, 21.3577, 77.0920
YIQ	101.8290, -108.9840, 3.7520

Conversions

Conversions Part 2

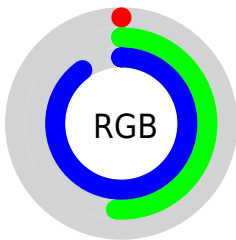
Format	Color
R _Y B	0, 83, 229
Decimal	33253
CIE Lab	53.34, 8.09, -58.71
CIE LCh	53, 59.262, 277.845
Yxy	21.3577, 0.1826, 0.1773
Android (android.graphics.Color)	4278223333 (0xFF0081E5)
YUV	101.8290, 62.6953, -89.3040
Hunter-Lab	46.2144, 4.0717, -66.5538

Details

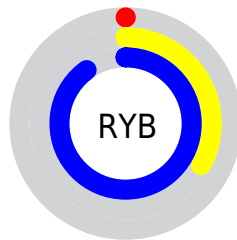
The XYZ color **21.9931, 21.3577, 77.0920** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **36.8762, 25.7834, 3.0347**, and the grayscale version is **12.4516, 13.1000, 14.2659**.

A 20% lighter version of the original color is **40.3996, 43.2710, 100.8306**, and **10.4853, 8.9020, 40.7008** is the 20% darker color. If you saturate the color by 10%, you get **21.9901, 21.3515, 77.0915**, and if you desaturate by 10%, it is **23.7284, 24.3050, 77.5699**.

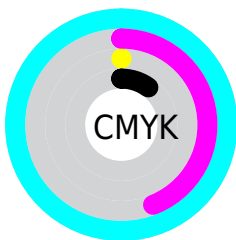
Distribution



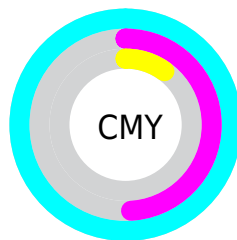
- Red (0%)
- Green (51%)
- Blue (90%)



- Red (0%)
- Yellow (33%)
- Blue (90%)



- Cyan (100%)
- Magenta (44%)
- Yellow (0%)
- Black (10%)



- Cyan (100%)
- Magenta (49%)
- Yellow (10%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9931, 21.3577, 77.0920 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 21.9931, 21.3577, 77.0920 by changing the saturation by 10% instead.

■ 21.9931, 21.3577,
77.0920

■ 21.9931, 21.3577,
77.0920

255.1433,
259.1734, 504.5236

■ 13.9684, 13.3857,
56.8164

■ 46.2135, 45.6821,
131.0435

■ 8.1802, 7.6947,
40.4495

■ 63.1400, 62.8033,
165.5565

■ 4.2633, 3.9002,
27.5727

■ 83.7644, 83.7430,
205.6524

■ 1.8521, 1.6179,
17.7676

■ 108.4521,
108.8857, 251.7497

■ 0.5488, 0.3696,
10.6155

■ 137.5685,
138.6156, 304.2669

■ 0.0000, 0.0000,
5.6980

171.4789,

■ 0.0000, 0.0000,

173.3173, 363.6226

2.5966

210.5487,
213.3751, 430.2353

■ 0.0000, 0.0000,
0.8907

■ 0.0000, 0.0000,
0.0000

■ 21.9931, 21.3577,
77.0920

■ 21.9931, 21.3577,
77.0920

■ 21.9901, 21.3515,
77.0915

■ 23.7284, 24.3050,
77.5699

■ 26.0116, 27.7314,
78.1110

■ 28.9795, 31.7126,
78.7230

■ 32.7123, 36.2948,
79.4107

■ 37.2778, 41.5175,
80.1782

■ 42.7355, 47.4161,
81.0291

■ 49.1392, 54.0227,
81.9667

■ 56.5380, 61.3670,
82.9944

■ 64.9776, 69.4764,
84.1148

Harmonies

Analogous

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



16.0781, 21.3577, 72.2403



21.9931, 21.3577, 77.0920



28.6463, 21.3577, 62.6493

Triad

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



21.9931, 21.3577, 77.0920



31.4065, 21.3577, 7.8360



11.0441, 21.3577, 12.4993

Complementary

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



21.9931, 21.3577, 77.0920



36.8762, 25.7834, 3.0347

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.



13.7560, 21.3577, 5.2409



21.9931, 21.3577, 77.0920



25.2026, 21.3577, 3.6799

Square

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



21.9931, 21.3577, 77.0920



34.7659, 21.3577, 18.8467



18.6958, 21.3577, 3.0654



10.5334, 21.3577, 28.3019

Rectangle

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



21.9931, 21.3577, 77.0920



32.3352, 21.3577, 46.9432



18.6958, 21.3577, 3.0654



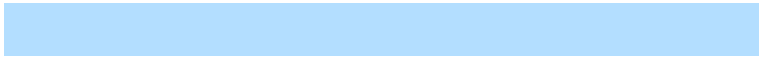
11.6968, 21.3577, 9.2782

Sweetspot

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



21.9940, 21.3583, 77.0926



62.5365, 68.7671, 104.5851



30.2851, 56.9453, 21.2664



12.6133, 13.9311, 22.2741



0.0000, 0.0000, 0.0000



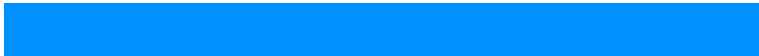
20.3446, 21.4041, 23.3091

Same Dimension

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



21.9940, 21.3583, 77.0926



27.9657, 27.0514, 98.3552



14.3190, 6.0083, 74.5342



14.2529, 15.2273, 18.3323



12.6947, 12.4515, 44.1175



1.0302, 1.1043, 3.2908

Inverse Universe

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



36.2764, 18.2444, 22.3787



46.2450, 23.2620, 28.2860



56.2939, 64.6187, 9.5073



14.7153, 14.5033, 16.7010



20.8012, 10.4547, 13.1141



1.5836, 0.7912, 1.2138

Previews

White Background



This preview shows how the XYZ color 21.9931, 21.3577, 77.0920 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 21.9931, 21.3577, 77.0920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

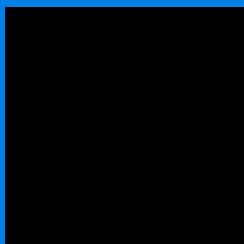
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

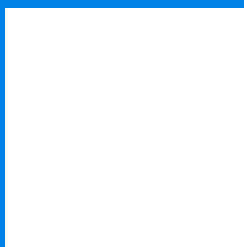
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.9931, 21.3577, 77.0920

Background



This preview shows how black text looks on a background with the XYZ color 21.9931, 21.3577, 77.0920.



This preview shows how white text looks on a background with the XYZ color 21.9931, 21.3577,

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

21.9931, 21.3577, 77.0920

Protanopia

23.7956, 21.2430, 72.6582

Deuteranopia

21.9931, 21.3577, 77.0920



Tritanopia

15.0299, 21.2518, 32.1640

Trichromacy



Original Color

21.9931, 21.3577, 77.0920

Protanomaly

22.3404, 20.8335, 74.0780

Deuteranomaly

21.9931, 21.3577, 77.0920

Tritanomaly

17.0823, 21.1460, 45.8291

Monochromacy



Original Color

21.9931, 21.3577, 77.0920

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.3194, 14.8503, 30.1814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9931, 21.3577, 77.0920 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, 129, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 229)  
}
```

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, 129, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 229) }
```

Border

The CSS property to change the border of an element to XYZ 21.9931, 21.3577, 77.0920 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, 129, 229) }
```


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

```
.border{ border-color:rgb(0, 129, 229) }
```

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

Here you see how a box with a 4 pixel rgb(0, 129, 229) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
229) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9931, 21.3577, 77.0920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 129, 229) }
```

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

```
.background{ background-color: rgb(0, 129,  
229) }
```

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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