

Converting Colors

XYZ(21.5777, 21.1915, 74.9046)

Have a look what the booklet for
XYZ(21.5777, 21.1915, 74.9046)
contains.

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Color

**XYZ(21.5777, 21.1915,
74.9046)**

Conversions

Conversions Part 1

Format	Color
Hex	0081E2
RGB	0, 129, 226
RGB Percent	0%, 51%, 89%
CMY	0.9998, 0.4941, 0.1137
CMYK	1.00, 0.43, 0.00, 0.11
HSL	206°, 100%, 44%
HSV	206°, 100%, 89%
XYZ	21.5777, 21.1915, 74.9046
YIQ	101.4870, -108.0210, 2.8190

Conversions

Conversions Part 2

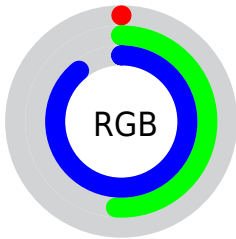
Format	Color
R _Y B	0, 82, 226
Decimal	33250
CIE Lab	53.16, 6.92, -57.32
CIE LCh	53, 57.732, 276.886
Yxy	21.1915, 0.1834, 0.1801
Android (android.graphics.Color)	4278223330 (0xFF0081E2)
YUV	101.4870, 61.3849, -89.0041
Hunter-Lab	46.0342, 3.1087, -64.2498

Details

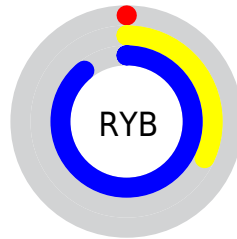
The XYZ color **21.5777, 21.1915, 74.9046** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **35.6444, 24.7286, 2.8960**, and the grayscale version is **12.3662, 13.0102, 14.1681**.

A 20% lighter version of the original color is **40.2828, 43.2108, 100.8251**, and **10.1981, 8.7871, 39.1888** is the 20% darker color. If you saturate the color by 10%, you get **21.5748, 21.1855, 74.9041**, and if you desaturate by 10%, it is **23.2628, 24.0485, 75.3678**.

Distribution



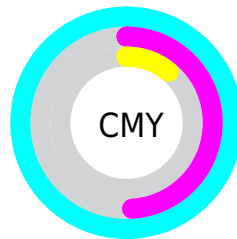
- Red (0%)
- Green (51%)
- Blue (89%)



- Red (0%)
- Yellow (32%)
- Blue (89%)



- Cyan (100%)
- Magenta (43%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (49%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5777, 21.1915, 74.9046 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 21.5777, 21.1915, 74.9046 by changing the saturation by 10% instead.

■ 21.5777, 21.1915,
74.9046

■ 21.5777, 21.1915,
74.9046

253.0069,
258.2945, 496.8363

■ 13.6618, 13.2641,
55.0335

■ 45.5311, 45.4060,
127.9232

■ 7.9659, 7.6106,
39.0297

■ 62.2993, 62.4619,
161.9077

■ 4.1248, 3.8468,
26.4749

■ 82.7490, 83.3294,
201.4338

■ 1.7730, 1.5883,
16.9503

■ 107.2455,
108.3928, 246.9199

■ 0.5013, 0.3497,
10.0375

■ 136.1542,
138.0367, 298.7847

■ 0.0000, 0.0000,
5.3179

169.8404,

■ 0.0000, 0.0000,

172.6453, 357.4467

2.3730

208.6696,
212.6031, 423.3243

■ 0.0000, 0.0000,
0.7717

■ 0.0000, 0.0000,
0.0000

■ 21.5777, 21.1915,
74.9046

■ 21.5777, 21.1915,
74.9046

■ 21.5748, 21.1855,
74.9041

■ 23.2628, 24.0485,
75.3678

■ 25.4747, 27.3620,
75.8907

■ 28.3467, 31.2054,
76.4812

■ 31.9561, 35.6229,
77.1436

■ 36.3684, 40.6527,
77.8819

■ 41.6411, 46.3285,
78.6996

■ 47.8260, 52.6811,
79.5998

■ 54.9707, 59.7390,
80.5855

■ 63.1191, 67.5287,
81.6596

Harmonies

Analogous

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



15.8882, 21.1915, 69.6630



21.5777, 21.1915, 74.9046



28.0142, 21.1915, 61.6022

Triad

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



21.5777, 21.1915, 74.9046



31.0269, 21.1915, 8.2371



11.1820, 21.1915, 12.2591

Complementary

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



21.5777, 21.1915, 74.9046



35.6444, 24.7286, 2.8960

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.



13.9026, 21.1915, 5.3082



21.5777, 21.1915, 74.9046



25.0941, 21.1915, 3.9380

Square

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



21.5777, 21.1915, 74.9046



34.1372, 21.1915, 19.2846



18.7712, 21.1915, 3.2316



10.6143, 21.1915, 27.3297

Rectangle

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



21.5777, 21.1915, 74.9046



31.6198, 21.1915, 46.6541



18.7712, 21.1915, 3.2316



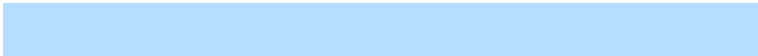
11.8440, 21.1915, 9.1801

Sweetspot

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



21.5786, 21.1921, 74.9052



62.6883, 69.0708, 104.6357



29.2266, 55.2052, 19.7519



12.6494, 14.0032, 22.2861



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.



21.5786, 21.1921, 74.9052



28.2561, 27.6321, 98.4520



13.9592, 5.9532, 72.3654



13.5981, 14.5353, 17.4766



12.4284, 12.3265, 42.7726



0.9498, 1.0311, 2.9942

Inverse Universe

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



35.3274, 17.7551, 22.3343



46.3916, 23.3206, 29.0577



53.7191, 60.8780, 8.9209



14.0334, 13.8310, 15.9459



20.2135, 10.1524, 13.0560



1.4457, 0.7216, 1.1399

Previews

White Background



This preview shows how the XYZ color 21.5777, 21.1915, 74.9046 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 21.5777, 21.1915, 74.9046 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

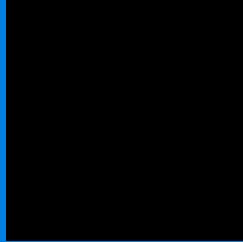
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5777, 21.1915, 74.9046

Background



This preview shows how black text looks on a background with the XYZ color 21.5777, 21.1915, 74.9046.



This preview shows how white text looks on a background with the XYZ color 21.5777, 21.1915,

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

21.5777, 21.1915, 74.9046

Protanopia

23.4809, 21.1271, 70.5505

Deuteranopia

21.8726, 21.1489, 74.8808



Tritanopia

14.8831, 20.9582, 32.1151

Trichromacy



Original Color

21.5777, 21.1915, 74.9046

Protanomaly

21.9346, 20.6712, 71.9411

Deuteranomaly

21.6778, 21.0485, 74.8717

Tritanomaly

16.8400, 20.8227, 45.2511

Monochromacy



Original Color

21.5777, 21.1915, 74.9046

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.2406, 14.8187, 29.7662

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5777, 21.1915, 74.9046 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 129, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 129, 226) }
```

Border

The CSS property to change the border of an element to XYZ 21.5777, 21.1915, 74.9046 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, 226) }
```


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

```
.border{ border-color:rgb(0, 129, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 129, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 129, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 129,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5777, 21.1915, 74.9046 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, 226) }
```

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

```
.background{ background-color: rgb(0, 129,  
226) }
```

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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