

Converting Colors

XYZ(21.0834, 21.3333, 74.9532)

Have a look what the booklet for
XYZ(21.0834, 21.3333, 74.9532)
contains.

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Color

**XYZ(21.8438, 21.7236,
74.9933)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 0083E2 |
| RGB | 0, 131, 226 |
| RGB Percent | 0%, 51%, 89% |
| CMY | 0.9998, 0.4863, 0.1137 |
| CMYK | 1.00, 0.42, 0.00, 0.11 |
| HSL | 205°, 100%, 44% |
| HSV | 205°, 100%, 89% |
| XYZ | 21.8438, 21.7236, 74.9933 |
| YIQ | 102.6610, -108.5710, 1.7730 |

Conversions

Conversions Part 2

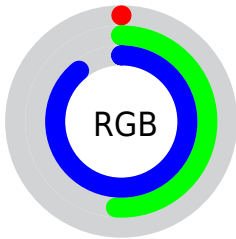
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 0, 83, 226 |
| Decimal | 33762 |
| CIE Lab | 53.73, 5.70, -56.40 |
| CIE LCh | 54, 56.683, 275.767 |
| Yxy | 21.7236, 0.1842, 0.1832 |
| Android (android.graphics.Color) | 4278223842 (0xFF0083E2) |
| YUV | 102.6610, 60.8061, -90.0337 |
| Hunter-Lab | 46.6086, 2.0916, -62.7717 |

Details

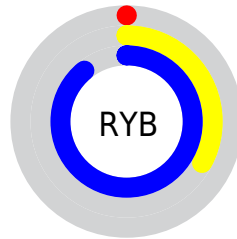
The XYZ color **21.8438, 21.7236, 74.9933** is a dark color, and the websafe version is hex **3399FF**. The color can be described as dark washed azure. A complement of this color would be **35.4623, 24.3643, 2.8355**, and the grayscale version is **12.6733, 13.3333, 14.5199**.

A 20% lighter version of the original color is **40.6924, 44.0300, 100.9617**, and **10.3490, 9.0888, 39.2391** is the 20% darker color. If you saturate the color by 10%, you get **21.8406, 21.7170, 74.9927**, and if you desaturate by 10%, it is **23.5250, 24.5728, 75.4552**.

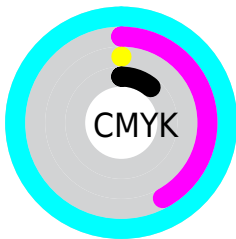
Distribution



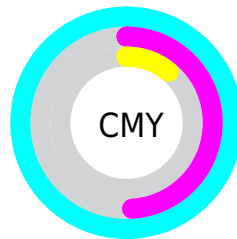
- Red (0%)
- Green (51%)
- Blue (89%)



- Red (0%)
- Yellow (33%)
- Blue (89%)



- Cyan (100%)
- Magenta (42%)
- Yellow (0%)
- Black (11%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.8438, 21.7236, 74.9933 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 21.8438, 21.7236, 74.9933 by changing the saturation by 10% instead.

■ 21.8438, 21.7236,
74.9933

■ 21.8438, 21.7236,
74.9933

254.3772,
261.0994, 497.1493

■ 13.8581, 13.6539,
55.1057

■ 45.9685, 46.2887,
128.0499

■ 8.1031, 7.8804,
39.0872

■ 62.8382, 63.5530,
162.0560

■ 4.2134, 4.0185,
26.5192

■ 83.4000, 84.6510,
201.6053

■ 1.8235, 1.6839,
16.9832

■ 108.0192,
109.9670, 247.1164

■ 0.5318, 0.4132,
10.0607

■ 137.0611,
139.8854, 299.0078

■ 0.0000, 0.0000,
5.3331

170.8912,

■ 0.0000, 0.0000,

174.7907, 357.6981

2.3819

209.8748,
215.0673, 423.6057

■ 0.0000, 0.0000,
0.7765

■ 0.0000, 0.0000,
0.0000

■ 21.8438, 21.7236,
74.9933

■ 21.8438, 21.7236,
74.9933

■ 21.8406, 21.7170,
74.9927

■ 23.5250, 24.5728,
75.4552

■ 25.7286, 27.8694,
75.9753

■ 28.5875, 31.6865,
76.5614

■ 32.1790, 36.0679,
77.2178

■ 36.5682, 41.0513,
77.9484

■ 41.8126, 46.6702,
78.7565

■ 47.9638, 52.9551,
79.6454

■ 55.0690, 59.9339,
80.6180

■ 63.1723, 67.6329,
81.6770

Harmonies

Analogous

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



16.2146, 21.7236, 69.1550



21.8438, 21.7236, 74.9933



28.2555, 21.7236, 62.5068

Triad

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



21.8438, 21.7236, 74.9933



31.6503, 21.7236, 8.9928



11.7223, 21.7236, 12.4076

Complementary

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



21.8438, 21.7236, 74.9933



35.4623, 24.3643, 2.8355

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.



14.5449, 21.7236, 5.5682



21.8438, 21.7236, 74.9933



25.8230, 21.7236, 4.3824

Square

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



21.8438, 21.7236, 74.9933



34.5870, 21.7236, 20.4484



19.4959, 21.7236, 3.5399



11.0696, 21.7236, 27.1767

Rectangle

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



21.8438, 21.7236, 74.9933



31.8893, 21.7236, 47.9065



19.4959, 21.7236, 3.5399



12.4174, 21.7236, 9.3833

Sweetspot

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



21.8447, 21.7242, 74.9939



62.8685, 69.4311, 104.6958



29.2268, 55.2053, 19.7526



12.6922, 14.0888, 22.3004



0.0000, 0.0000, 0.0000



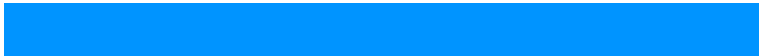
20.3446, 21.4041, 23.3091

Same Dimension

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



21.8447, 21.7242, 74.9939



28.6056, 28.3313, 98.5685



13.9593, 5.9534, 72.3654



13.6085, 14.5561, 17.4801



12.5799, 12.6293, 42.8230



0.9600, 1.0514, 2.9976

Inverse Universe

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



35.4617, 17.8089, 23.0414



46.5680, 23.3912, 29.9869



53.7192, 60.8782, 8.9211



14.0386, 13.8331, 15.9735



20.2899, 10.1830, 13.4585



1.4508, 0.7236, 1.1667

Previews

White Background



This preview shows how the XYZ color 21.8438, 21.7236, 74.9933 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 21.8438, 21.7236, 74.9933 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

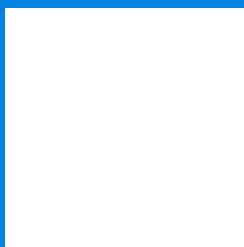
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 21.8438, 21.7236, 74.9933

Background



This preview shows how black text looks on a background with the XYZ color 21.8438, 21.7236, 74.9933.



This preview shows how white text looks on a background with the XYZ color 21.8438, 21.7236,

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

21.8438, 21.7236, 74.9933

Protanopia

24.0896, 21.8130, 70.6508

Deuteranopia

22.5094, 21.8683, 74.9861



Tritanopia

15.3405, 21.6130, 33.0690

Trichromacy



Original Color

21.8438, 21.7236, 74.9933

Protanomaly

22.3497, 21.2649, 72.0338

Deuteranomaly

22.0868, 21.6504, 74.9664

Tritanomaly

17.2252, 21.4316, 45.8767

Monochromacy



Original Color

21.8438, 21.7236, 74.9933

Achromatopsia

12.8919, 13.5633, 14.7705

Achromatomaly

13.4972, 15.1066, 30.2215

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.8438, 21.7236, 74.9933 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, 131, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 131, 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, 131, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 131, 226) }
```

Border

The CSS property to change the border of an element to XYZ 21.8438, 21.7236, 74.9933 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, 131, 226) }
```


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

```
.border{ border-color:rgb(0, 131, 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, 131, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 131, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 131, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 131,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 21.8438, 21.7236, 74.9933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 131, 226) }
```

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

```
.background{ background-color: rgb(0, 131,  
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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