

Converting Colors

XYZ(21.1633, 21.3127, 71.9440)

Have a look what the booklet for
XYZ(21.1633, 21.3127, 71.9440)
contains.

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Color

**XYZ(21.1674, 21.2392,
72.0912)**

Conversions

Conversions Part 1

Format	Color
Hex	0082DE
RGB	0, 130, 222
RGB Percent	0%, 51%, 87%
CMY	0.9998, 0.4902, 0.1294
CMYK	1.00, 0.41, 0.00, 0.13
HSL	205°, 100%, 44%
HSV	205°, 100%, 87%
XYZ	21.1674, 21.2392, 72.0912
YIQ	101.6180, -107.0120, 1.0520

Conversions

Conversions Part 2

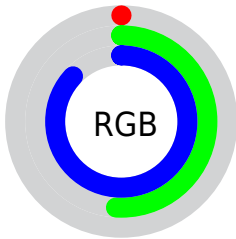
Format	Color
R _{YB}	0, 82, 222
Decimal	33502
CIE _{Lab}	53.21, 4.75, -54.99
CIE _{LCh}	53, 55.193, 274.939
Y _{xy}	21.2392, 0.1849, 0.1855
Android (android.graphics.Color)	4278223582 (0xFF0082DE)
YUV	101.6180, 59.3483, -89.1190
Hunter-Lab	46.0860, 1.3349, -60.4857

Details

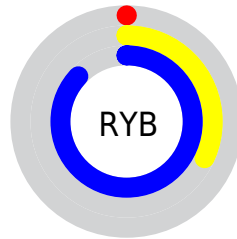
The XYZ color **21.1674, 21.2392, 72.0912** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.9561, 23.1927, 2.6884**, and the grayscale version is **12.4045, 13.0505, 14.2120**.

A 20% lighter version of the original color is **40.3715, 43.5595, 100.8878**, and **9.9002, 8.7878, 37.2508** is the 20% darker color. If you saturate the color by 10%, you get **21.1650, 21.2340, 72.0908**, and if you desaturate by 10%, it is **22.7834, 23.9715, 72.5339**.

Distribution



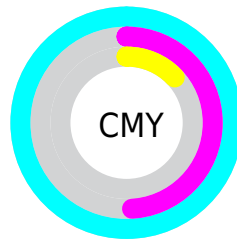
- Red (0%)
- Green (51%)
- Blue (87%)



- Red (0%)
- Yellow (32%)
- Blue (87%)



- Cyan (100%)
- Magenta (41%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (49%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.1674, 21.2392, 72.0912 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 21.1674, 21.2392, 72.0912 by changing the saturation by 10% instead.

■ 21.1674, 21.2392,
72.0912

■ 21.1674, 21.2392,
72.0912

250.8817,
258.5470, 486.8450

■ 13.3596, 13.2990,
52.7459

■ 44.8551, 45.4853,
123.8951

■ 7.7553, 7.6347,
37.2136

■ 61.4658, 62.5599,
157.1908

■ 3.9893, 3.8621,
25.0758

■ 81.7414, 83.4482,
195.9737

■ 1.6961, 1.5967,
15.9140

■ 106.0474,
108.5344, 240.6623

■ 0.4538, 0.3554,
9.3096

■ 134.7490,
138.2030, 291.6752

■ 0.0000, 0.0000,
4.8441

168.2117,

■ 0.0000, 0.0000,

172.8383, 349.4309

2.0990

206.8008,
212.8249, 414.3480

■ 0.0000, 0.0000,
0.6152

■ 0.0000, 0.0000,
0.0000

■ 21.1674, 21.2392,
72.0912

■ 21.1674, 21.2392,
72.0912

■ 21.1650, 21.2340,
72.0908

■ 22.7834, 23.9715,
72.5339

■ 24.8966, 27.1266,
73.0315

■ 27.6357, 30.7748,
73.5913

■ 31.0741, 34.9579,
74.2175

■ 35.2743, 39.7118,
74.9137

■ 40.2909, 45.0681,
75.6832

■ 46.1734, 51.0558,
76.5289

■ 52.9668, 57.7016,
77.4536

■ 60.7132, 65.0304,
78.4599

Harmonies

Analogous

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



15.8034, 21.2392, 66.0746



21.1674, 21.2392, 72.0912



27.3082, 21.2392, 60.6661

Triad

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



21.1674, 21.2392, 72.0912



30.8358, 21.2392, 9.1864



11.6434, 21.2392, 12.0226

Complementary

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



21.1674, 21.2392, 72.0912



33.9561, 23.1927, 2.6884

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.



14.4261, 21.2392, 5.5339



21.1674, 21.2392, 72.0912



25.3149, 21.2392, 4.5358

Square

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



21.1674, 21.2392, 72.0912



33.5343, 21.2392, 20.4715



19.2378, 21.2392, 3.6251



10.9554, 21.2392, 26.0003

Rectangle

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



21.1674, 21.2392, 72.0912



30.8178, 21.2392, 46.8909



19.2378, 21.2392, 3.6251



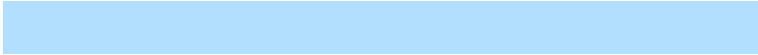
12.3345, 21.2392, 9.1564

Sweetspot

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



21.1683, 21.2398, 72.0918



62.9904, 69.6749, 104.7364



27.9181, 52.9617, 18.1650



12.7211, 14.1468, 22.3101



0.0000, 0.0000, 0.0000



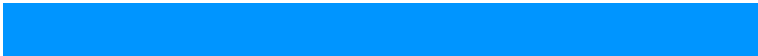
20.3446, 21.4041, 23.3091

Same Dimension

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



21.1683, 21.2398, 72.0918



28.8452, 28.8104, 98.6484



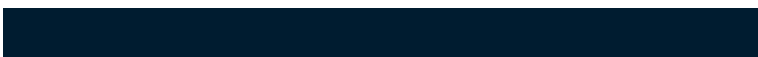
13.4771, 5.8575, 69.5280



13.6155, 14.5701, 17.4824



12.6836, 12.8367, 42.8576



0.9669, 1.0652, 2.9999

Inverse Universe

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



34.1543, 17.1425, 22.6282



46.6889, 23.4396, 30.6236



50.7340, 56.7484, 8.2810



14.0421, 13.8345, 15.9921



20.3423, 10.2039, 13.7341



1.4543, 0.7250, 1.1851

Previews

White Background



This preview shows how the XYZ color 21.1674, 21.2392, 72.0912 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 21.1674, 21.2392, 72.0912 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

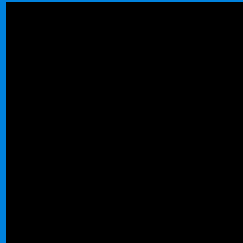
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.1674, 21.2392, 72.0912

Background



This preview shows how black text looks on a background with the XYZ color 21.1674, 21.2392, 72.0912.

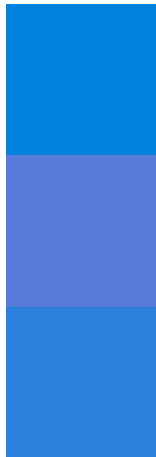


This preview shows how white text looks on a background with the XYZ color 21.1674, 21.2392,

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

21.1674, 21.2392, 72.0912

Protanopia

23.4081, 21.1500, 67.8144

Deuteranopia

21.9002, 21.2259, 72.0500



Tritanopia

15.0299, 21.2518, 32.1640

Trichromacy



Original Color

21.1674, 21.2392, 72.0912

Protanomaly

21.6913, 20.7959, 69.2004

Deuteranomaly

21.4871, 21.2075, 72.0682

Tritanomaly

16.7821, 21.0259, 44.2482

Monochromacy



Original Color

21.1674, 21.2392, 72.0912

Achromatopsia

12.6291, 13.2868, 14.4694

Achromatomaly

13.1625, 14.7875, 29.3547

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.1674, 21.2392, 72.0912 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, 130, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 130, 222)  
}
```

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, 130, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 130, 222) }
```

Border

The CSS property to change the border of an element to XYZ 21.1674, 21.2392, 72.0912 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, 130, 222) }
```


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

```
.border{ border-color:rgb(0, 130, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 130, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 130, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 130, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 130,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 21.1674, 21.2392, 72.0912 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 130, 222) }
```

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

```
.background{ background-color: rgb(0, 130,  
222) }
```

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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