

Converting Colors

XYZ(11.4279, 16.8942, 73.0415)

Have a look what the booklet for
XYZ(11.4279, 16.8942, 73.0415)
contains.

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Color

**XYZ(21.9796, 22.4320,
73.6924)**

Conversions

Conversions Part 1

Format	Color
Hex	0086E0
RGB	0, 134, 224
RGB Percent	0%, 53%, 88%
CMY	0.9998, 0.4745, 0.1216
CMYK	1.00, 0.40, 0.00, 0.12
HSL	204°, 100%, 44%
HSV	204°, 100%, 88%
XYZ	21.9796, 22.4320, 73.6924
YIQ	104.1940, -108.7540, -0.4180

Conversions

Conversions Part 2

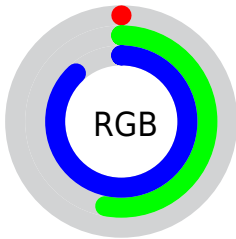
Format	Color
RYB	0, 84, 224
Decimal	34528
CIELab	54.48, 3.10, -54.08
CIElCh	54, 54.164, 273.278
Yxy	22.4320, 0.1861, 0.1899
Android (android.graphics.Color)	4278224608 (0xFF0086E0)
YUV	104.1940, 59.0644, -91.3781
Hunter-Lab	47.3624, -0.0473, -59.0971

Details

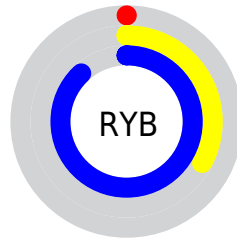
The XYZ color **21.9796, 22.4320, 73.6924** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **34.4016, 23.1687, 2.6603**, and the grayscale version is **13.0822, 13.7635, 14.9884**.

A 20% lighter version of the original color is **41.5292, 45.7037, 101.2406**, and **10.3164, 9.3242, 38.3018** is the 20% darker color. If you saturate the color by 10%, you get **21.9770, 22.4265, 73.6920**, and if you desaturate by 10%, it is **23.6185, 25.2035, 74.1415**.

Distribution



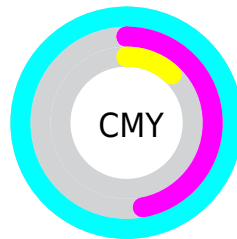
- Red (0%)
- Green (53%)
- Blue (88%)



- Red (0%)
- Yellow (33%)
- Blue (88%)



- Cyan (100%)
- Magenta (40%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (47%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.9796, 22.4320, 73.6924 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 21.9796, 22.4320, 73.6924 by changing the saturation by 10% instead.

■ 21.9796, 22.4320,
73.6924

■ 21.9796, 22.4320,
73.6924

255.0741,
264.7941, 492.5460

■ 13.9584, 14.1747,
54.0471

■ 46.1914, 47.4590,
126.1897

■ 8.1733, 8.2423,
38.2458

■ 63.1127, 64.9974,
159.8787

■ 4.2588, 4.2503,
25.8702

■ 83.7315, 86.3983,
199.0860

■ 1.8495, 1.8146,
16.5017

■ 108.4130,
112.0461, 244.2302

■ 0.5472, 0.4962,
9.7217

■ 137.5227,
142.3252, 295.7297

■ 0.0000, 0.0000,
5.1116

171.4258,

■ 0.0000, 0.0000,

177.6199, 354.0032

2.2530

210.4879,
218.3148, 419.4691

■ 0.0000, 0.0000,
0.7047

■ 0.0000, 0.0000,
0.0000

■ 21.9796, 22.4320,
73.6924

■ 21.9796, 22.4320,
73.6924

■ 21.9770, 22.4265,
73.6920

■ 23.6185, 25.2035,
74.1415

■ 25.7594, 28.3946,
74.6446

■ 28.5329, 32.0764,
75.2091

■ 32.0139, 36.2911,
75.8391

■ 36.2659, 41.0748,
76.5384

■ 41.3446, 46.4597,
77.3101

■ 47.3004, 52.4748,
78.1572

■ 54.1792, 59.1469,
79.0825

■ 62.0235, 66.5010,
80.0886

Harmonies

Analogous

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



16.5931, 22.4320, 66.7507



21.9796, 22.4320, 73.6924



28.2102, 22.4320, 63.1669

Triad

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



21.9796, 22.4320, 73.6924



32.3464, 22.4320, 10.5298



12.6711, 22.4320, 12.4854

Complementary

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



21.9796, 22.4320, 73.6924



34.4016, 23.1687, 2.6603

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.



15.6559, 22.4320, 6.0311



21.9796, 22.4320, 73.6924



26.8710, 22.4320, 5.3256

Square

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



21.9796, 22.4320, 73.6924



34.8528, 22.4320, 22.6046



20.6756, 22.4320, 4.1757



11.8421, 22.4320, 26.3399

Rectangle

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



21.9796, 22.4320, 73.6924



31.8300, 22.4320, 49.6200



20.6756, 22.4320, 4.1757



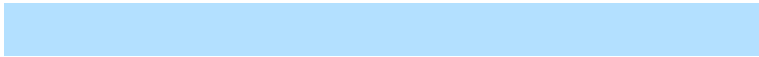
13.4244, 22.4320, 9.6384

Sweetspot

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



21.9805, 22.4327, 73.6930



63.2497, 70.1935, 104.8228



28.4863, 54.0440, 18.5210



12.7828, 14.2701, 22.3306



0.0000, 0.0000, 0.0000



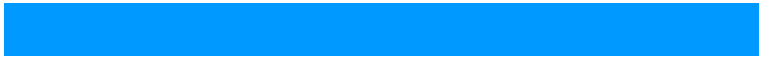
20.3446, 21.4041, 23.3091

Same Dimension

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



21.9805, 22.4327, 73.6930



29.3630, 29.8461, 98.8210



13.7508, 5.9733, 70.9498



13.6304, 14.5999, 17.4873



12.9075, 13.2847, 42.9323



0.9817, 1.0948, 3.0048

Inverse Universe

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



35.0444, 17.5698, 24.0989



46.9503, 23.5441, 32.0000



51.7692, 57.9039, 8.4495



14.0497, 13.8375, 16.0317



20.4553, 10.2491, 14.3294



1.4618, 0.7280, 1.2245

Previews

White Background



This preview shows how the XYZ color 21.9796, 22.4320, 73.6924 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 21.9796, 22.4320, 73.6924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

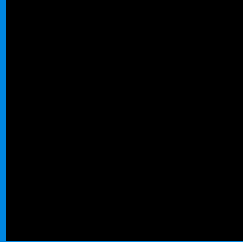
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.9796, 22.4320, 73.6924

Background



This preview shows how black text looks on a background with the XYZ color 21.9796, 22.4320, 73.6924.



This preview shows how white text looks on a background with the XYZ color 21.9796, 22.4320,

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

21.9796, 22.4320, 73.6924

Protanopia

24.5274, 22.4638, 68.6889

Deuteranopia

23.2282, 22.4531, 74.3438



Tritanopia

15.8060, 22.2796, 34.0392

Trichromacy



Original Color

21.9796, 22.4320, 73.6924

Protanomaly

22.7045, 22.0624, 70.7720

Deuteranomaly

22.5016, 22.2789, 74.3485

Tritanomaly

17.5148, 22.0108, 45.9732

Monochromacy



Original Color

21.9796, 22.4320, 73.6924

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

13.7228, 15.5578, 30.2967

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.9796, 22.4320, 73.6924 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, 134, 224)` looks like.

```
.text, #text, p{  
    color:rgb(0, 134, 224)  
}
```

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, 134, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 134, 224) }
```

Border

The CSS property to change the border of an element to XYZ 21.9796, 22.4320, 73.6924 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, 134, 224) }
```


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

```
.border{ border-color:rgb(0, 134, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 134, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 134, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 134, 224);  
box-shadow:4px 4px 4px 4px rgb(0, 134,  
224) }
```

Background

The CSS property to change the background color of an element to XYZ 21.9796, 22.4320, 73.6924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 134, 224) }
```

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

```
.background{ background-color: rgb(0, 134,  
224) }
```

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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