

Converting Colors

XYZ(11.8287, 19.1617, 69.5912)

Have a look what the booklet for
XYZ(11.8287, 19.1617, 69.5912)
contains.

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Color

**XYZ(22.4773, 24.7069,
69.9139)**

Conversions

Conversions Part 1

Format	Color
Hex	008FDA
RGB	0, 143, 218
RGB Percent	0%, 56%, 85%
CMY	0.9998, 0.4392, 0.1451
CMYK	1.00, 0.34, 0.00, 0.15
HSL	201°, 100%, 43%
HSV	201°, 100%, 85%
XYZ	22.4773, 24.7069, 69.9139
YIQ	108.7930, -109.3030, -6.9910

Conversions

Conversions Part 2

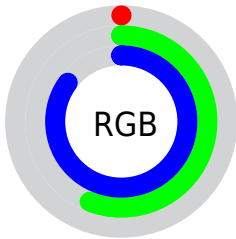
Format	Color
RYB	0, 86, 218
Decimal	36826
CIELab	56.79, -4.55, -47.05
CIELCh	57, 47.264, 264.482
Yxy	24.7069, 0.1920, 0.2110
Android (android.graphics.Color)	4278226906 (0xFF008FDA)
YUV	108.7930, 53.8391, -95.4115
Hunter-Lab	49.7060, -6.2670, -48.6000

Details

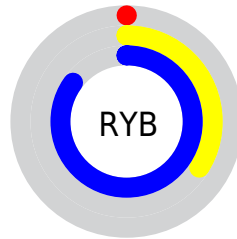
The XYZ color **22.4773, 24.7069, 69.9139** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **31.4331, 19.9441, 2.1942**, and the grayscale version is **14.3562, 15.1039, 16.4481**.

A 20% lighter version of the original color is **43.3834, 49.5834, 101.8917**, and **10.5252, 10.4730, 36.1171** is the 20% darker color. If you saturate the color by 10%, you get **22.4753, 24.7025, 69.9137**, and if you desaturate by 10%, it is **23.9693, 27.2044, 70.3179**.

Distribution



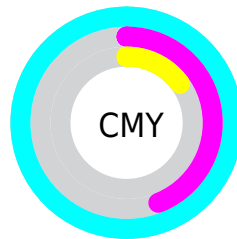
- Red (0%)
- Green (56%)
- Blue (85%)



- Red (0%)
- Yellow (34%)
- Blue (85%)



- Cyan (100%)
- Magenta (34%)
- Yellow (0%)
- Black (15%)



- Cyan (100%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4773, 24.7069, 69.9139 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 22.4773, 24.7069, 69.9139 by changing the saturation by 10% instead.

■ 22.4773, 24.7069,
69.9139

■ 22.4773, 24.7069,
69.9139

257.6146,
276.3751, 479.0286

■ 14.3266, 15.8588,
50.9800

■ 47.0066, 51.1813,
120.7659

■ 8.4314, 9.4243,
35.8161

■ 64.1159, 69.5765,
153.5211

■ 4.4263, 5.0190,
24.0036

■ 84.9422, 91.9228,
191.7205

■ 1.9460, 2.2584,
15.1241

■ 109.8507,
118.6046, 235.7825

■ 0.6034, 0.7516,
8.7589

■ 139.2068,
150.0063, 286.1258

■ 0.0000, 0.0000,
4.4896

173.3760,

■ 0.0000, 0.0000,

186.5124, 343.1689

1.8976

212.7234,
228.5072, 407.3303

■ 0.0000, 0.0000,
0.4912

■ 0.0000, 0.0000,
0.0000

■ 22.4773, 24.7069,
69.9139

■ 22.4773, 24.7069,
69.9139

■ 22.4753, 24.7025,
69.9137

■ 23.9693, 27.2044,
70.3179

■ 25.9062, 30.0450,
70.7641

■ 28.4113, 33.2944,
71.2592

■ 31.5536, 36.9902,
71.8070

■ 35.3917, 41.1647,
72.4105

■ 39.9769, 45.8461,
73.0724

■ 45.3555, 51.0602,
73.7953

■ 51.5696, 56.8306,
74.5816

■ 58.6584, 63.1791,
75.4334

Harmonies

Analogous

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



17.8413, 24.7069, 59.9992



22.4773, 24.7069, 69.9139



28.1615, 24.7069, 65.1282

Triad

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



22.4773, 24.7069, 69.9139



34.5267, 24.7069, 16.1695



15.8609, 24.7069, 12.8252

Complementary

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



22.4773, 24.7069, 69.9139



31.4331, 19.9441, 2.1942

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.



19.3540, 24.7069, 7.6376



22.4773, 24.7069, 69.9139



30.2043, 24.7069, 8.9711

Square

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



22.4773, 24.7069, 69.9139



35.7101, 24.7069, 29.9316



24.5186, 24.7069, 6.5719



14.4242, 24.7069, 24.0833

Rectangle

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



22.4773, 24.7069, 69.9139



31.7320, 24.7069, 54.9365



24.5186, 24.7069, 6.5719



16.8042, 24.7069, 10.5210

Sweetspot

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



22.4783, 24.7077, 69.9145



64.4548, 72.6037, 105.2245



26.2648, 50.6206, 14.6374



13.0702, 14.8448, 22.4264



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.



22.4783, 24.7077, 69.9145



31.9151, 34.9502, 99.6717



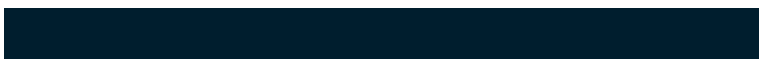
13.2978, 6.3467, 66.8544



13.0480, 14.0358, 16.6736



13.5687, 15.0069, 41.9199



0.9581, 1.1304, 2.7421

Inverse Universe

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



33.8722, 16.8898, 27.4620



48.2385, 24.0594, 38.7834



45.5754, 48.2286, 6.9083



13.4141, 13.1947, 15.4420



20.3442, 10.1387, 16.7244



1.3579, 0.6728, 1.2937

Previews

White Background



This preview shows how the XYZ color 22.4773, 24.7069, 69.9139 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 22.4773, 24.7069, 69.9139 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

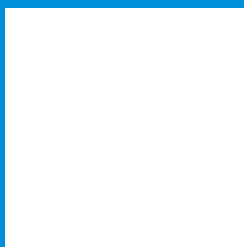
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.4773, 24.7069, 69.9139

Background



This preview shows how black text looks on a background with the XYZ color 22.4773, 24.7069, 69.9139.

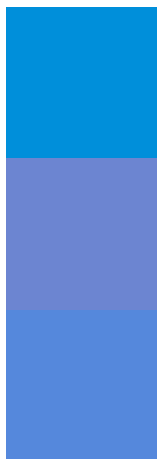


This preview shows how white text looks on a background with the XYZ color 22.4773, 24.7069,

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

22.4773, 24.7069, 69.9139

Protanopia

26.0805, 24.5667, 63.6888

Deuteranopia

25.4687, 24.7069, 71.1367



Tritanopia

17.5882, 24.7419, 38.0311

Trichromacy



Original Color

22.4773, 24.7069, 69.9139

Protanomaly

23.2836, 23.9100, 65.6753

Deuteranomaly

23.5401, 24.3640, 70.4799

Tritanomaly

19.0334, 24.5572, 47.9928

Monochromacy



Original Color

22.4773, 24.7069, 69.9139

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7164, 17.1099, 30.9607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4773, 24.7069, 69.9139 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, 143, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 143, 218)  
}
```

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, 143, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 143, 218) }
```

Border

The CSS property to change the border of an element to XYZ 22.4773, 24.7069, 69.9139 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, 143, 218) }
```


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

```
.border{ border-color:rgb(0, 143, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 143, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 143, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 143, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 143,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4773, 24.7069, 69.9139 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 143, 218) }
```

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

```
.background{ background-color: rgb(0, 143,  
218) }
```

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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