

Converting Colors

XYZ(11.7091, 18.5476, 70.7729)

Have a look what the booklet for
XYZ(11.7091, 18.5476, 70.7729)
contains.

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Color

**XYZ(22.2964, 23.9235,
71.1527)**

Conversions

Conversions Part 1

Format	Color
Hex	008CDC
RGB	0, 140, 220
RGB Percent	0%, 55%, 86%
CMY	0.9998, 0.4510, 0.1373
CMYK	1.00, 0.36, 0.00, 0.14
HSL	202°, 100%, 43%
HSV	202°, 100%, 86%
XYZ	22.2964, 23.9235, 71.1527
YIQ	107.2600, -109.1200, -4.8000

Conversions

Conversions Part 2

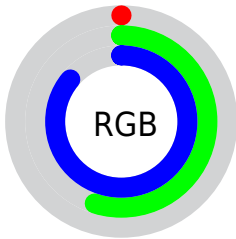
Format	Color
R _{YB}	0, 86, 220
Decimal	36060
CIE _{Lab}	56.01, -2.03, -49.40
CIE _{LCh}	56, 49.441, 267.652
Yxy	23.9235, 0.1900, 0.2038
Android (android.graphics.Color)	4278226140 (0xFF008CDC)
YUV	107.2600, 55.5808, -94.0670
Hunter-Lab	48.9117, -4.2261, -52.0121

Details

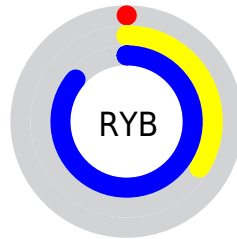
The XYZ color **22.2964, 23.9235, 71.1527** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.3887, 20.9617, 2.3406**, and the grayscale version is **13.9246, 14.6498, 15.9536**.

A 20% lighter version of the original color is **42.7135, 48.2435, 101.6684**, and **10.4419, 10.1625, 36.5332** is the 20% darker color. If you saturate the color by 10%, you get **22.2935, 23.9177, 71.1523**, and if you desaturate by 10%, it is **23.8410, 26.5194, 71.5729**.

Distribution



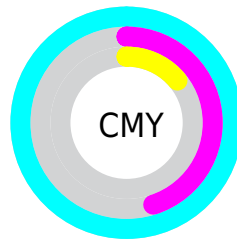
- Red (0%)
- Green (55%)
- Blue (86%)



- Red (0%)
- Yellow (34%)
- Blue (86%)



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (45%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2964, 23.9235, 71.1527 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 22.2964, 23.9235, 71.1527 by changing the saturation by 10% instead.

■ 22.2964, 23.9235,
71.1527

■ 22.2964, 23.9235,
71.1527

256.6936,
272.4335, 483.4851

■ 14.1927, 15.2769,
51.9842

■ 46.7106, 49.9053,
122.5476

■ 8.3374, 9.0139,
36.6103

■ 63.7518, 68.0093,
155.6111

■ 4.3652, 4.7503,
24.6125

■ 84.5029, 90.0346,
194.1434

■ 1.9107, 2.1015,
15.5722

■ 109.3291,
116.3655, 238.5630

■ 0.5831, 0.6655,
9.0709

■ 138.5960,
147.3865, 289.2884

■ 0.0000, 0.0000,
4.6900

172.6688,

■ 0.0000, 0.0000,

183.4818, 346.7382

2.0110

211.9129,
225.0361, 411.3309

■ 0.0000, 0.0000,
0.5620

■ 0.0000, 0.0000,
0.0000

■ 22.2964, 23.9235,
71.1527

■ 22.2964, 23.9235,
71.1527

■ 22.2935, 23.9177,
71.1523

■ 23.8410, 26.5194,
71.5729

■ 25.8490, 29.4829,
72.0391

■ 28.4459, 32.8812,
72.5581

■ 31.7028, 36.7536,
73.1339

■ 35.6797, 41.1333,
73.7697

■ 40.4294, 46.0499,
74.4683

■ 45.9995, 51.5301,
75.2326

■ 52.4333, 57.5986,
76.0648

■ 59.7711, 64.2781,
76.9673

Harmonies

Analogous

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



17.4062, 23.9235, 62.1741



22.2964, 23.9235, 71.1527



28.1634, 23.9235, 64.4785

Triad

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



22.2964, 23.9235, 71.1527



33.7850, 23.9235, 14.1110



14.7389, 23.9235, 12.6941

Complementary

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



22.2964, 23.9235, 71.1527



32.3887, 20.9617, 2.3406

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.



18.0593, 23.9235, 7.0640



22.2964, 23.9235, 71.1527



29.0619, 23.9235, 7.6115

Square

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



22.2964, 23.9235, 71.1527



35.4146, 23.9235, 27.3442



23.1865, 23.9235, 5.6864



13.5182, 23.9235, 24.7947

Rectangle

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



22.2964, 23.9235, 71.1527



31.7516, 23.9235, 53.1367



23.1865, 23.9235, 5.6864



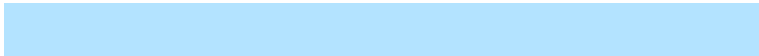
15.6163, 23.9235, 10.2066

Sweetspot

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



22.2974, 23.9242, 71.1533



64.0419, 71.7780, 105.0869



26.9350, 51.7235, 15.5923



12.9716, 14.6477, 22.3936



0.0000, 0.0000, 0.0000



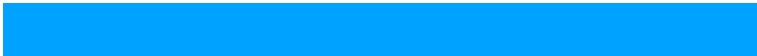
20.3446, 21.4041, 23.3091

Same Dimension

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



22.2974, 23.9242, 71.1533



31.0142, 33.1484, 99.3714



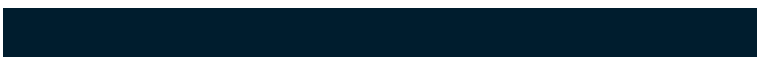
13.4643, 6.2582, 68.2090



13.0259, 13.9916, 16.6662



13.1931, 14.2557, 41.7947



0.9356, 1.0853, 2.7346

Inverse Universe

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



34.2498, 17.1105, 26.3089



47.7837, 23.8775, 36.3889



47.2881, 50.7605, 7.3071



13.4030, 13.1903, 15.3832



20.1546, 10.0629, 15.7261



1.3465, 0.6682, 1.2337

Previews

White Background



This preview shows how the XYZ color 22.2964, 23.9235, 71.1527 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 22.2964, 23.9235, 71.1527 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

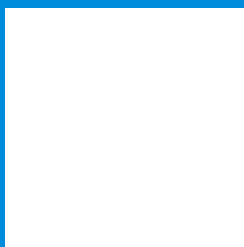
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.2964, 23.9235, 71.1527

Background



This preview shows how black text looks on a background with the XYZ color 22.2964, 23.9235, 71.1527.



This preview shows how white text looks on a background with the XYZ color 22.2964, 23.9235,

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

22.2964, 23.9235, 71.1527

Protanopia

25.5935, 23.8696, 65.5457

Deuteranopia

24.5567, 23.8072, 71.7076



Tritanopia

17.0055, 23.9981, 36.5367

Trichromacy



Original Color

22.2964, 23.9235, 71.1527

Protanomaly

23.0376, 23.1147, 67.5374

Deuteranomaly

23.0742, 23.4572, 71.7182

Tritanomaly

18.6194, 23.8940, 47.3467

Monochromacy



Original Color

22.2964, 23.9235, 71.1527

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.3260, 16.5607, 30.4584

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2964, 23.9235, 71.1527 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, 140, 220)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 220)  
}
```

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, 140, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 220) }
```

Border

The CSS property to change the border of an element to XYZ 22.2964, 23.9235, 71.1527 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, 140, 220) }
```


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

```
.border{ border-color:rgb(0, 140, 220) }
```

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

Here you see how a box with a 4 pixel rgb(0, 140, 220) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 140, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 140, 220);  
box-shadow:4px 4px 4px 4px rgb(0, 140,  
220) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2964, 23.9235, 71.1527 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 140, 220) }
```

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

```
.background{ background-color: rgb(0, 140,  
220) }
```

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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