

Converting Colors

XYZ(22.6001, 24.1367, 72.4696)

Have a look what the booklet for
XYZ(22.6001, 24.1367, 72.4696)
contains.

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Color

**XYZ(22.5629, 24.0301,
72.5563)**

Conversions

Conversions Part 1

Format	Color
Hex	008CDE
RGB	0, 140, 222
RGB Percent	0%, 55%, 87%
CMY	0.9998, 0.4510, 0.1294
CMYK	1.00, 0.37, 0.00, 0.13
HSL	202°, 100%, 44%
HSV	202°, 100%, 87%
XYZ	22.5629, 24.0301, 72.5563
YIQ	107.4880, -109.7620, -4.1780

Conversions

Conversions Part 2

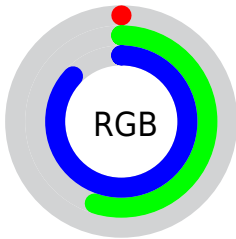
Format	Color
R _{YB}	0, 86, 222
Decimal	36062
CIE Lab	56.12, -1.26, -50.35
CIE LCh	56, 50.365, 268.564
Yxy	24.0301, 0.1894, 0.2017
Android (android.graphics.Color)	4278226142 (0xFF008CDE)
YUV	107.4880, 56.4544, -94.2670
Hunter-Lab	49.0205, -3.6268, -53.4420

Details

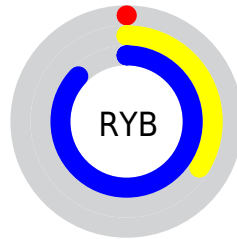
The XYZ color **22.5629, 24.0301, 72.5563** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.1462, 21.5728, 2.4186**, and the grayscale version is **13.9853, 14.7137, 16.0232**.

A 20% lighter version of the original color is **42.7135, 48.2435, 101.6684**, and **10.6240, 10.2353, 37.4921** is the 20% darker color. If you saturate the color by 10%, you get **22.5602, 24.0245, 72.5559**, and if you desaturate by 10%, it is **24.1433, 26.6911, 72.9872**.

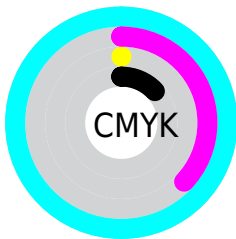
Distribution



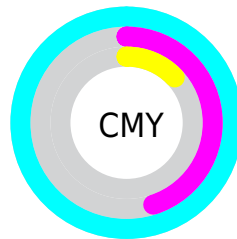
- Red (0%)
- Green (55%)
- Blue (87%)



- Red (0%)
- Yellow (34%)
- Blue (87%)



- Cyan (100%)
- Magenta (37%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (45%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5629, 24.0301, 72.5563 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 22.5629, 24.0301, 72.5563 by changing the saturation by 10% instead.

■ 22.5629, 24.0301,
72.5563

■ 22.5629, 24.0301,
72.5563

258.0494,
272.9726, 488.5051

■ 14.3900, 15.3560,
53.1236

■ 47.1466, 50.0793,
124.5622

■ 8.4759, 9.0696,
37.5131

■ 64.2880, 68.2232,
157.9725

■ 4.4553, 4.7866,
25.3061

■ 85.1498, 90.2924,
196.8790

■ 1.9628, 2.1226,
16.0842

■ 110.0971,
116.6713, 241.7004

■ 0.6129, 0.6773,
9.4287

■ 139.4953,
147.7445, 292.8552

■ 0.0000, 0.0000,
4.9213

173.7099,

■ 0.0000, 0.0000,

183.8961, 350.7619

2.1432

213.1062,
225.5107, 415.8390

■ 0.0000, 0.0000,
0.6413

■ 0.0000, 0.0000,
0.0000

■ 22.5629, 24.0301,
72.5563

■ 22.5629, 24.0301,
72.5563

■ 22.5602, 24.0245,
72.5559

■ 24.1433, 26.6911,
72.9872

■ 26.1999, 29.7328,
73.4659

■ 28.8605, 33.2239,
73.9995

■ 32.1980, 37.2047,
74.5920

■ 36.2737, 41.7094,
75.2467

■ 41.1418, 46.7684,
75.9666

■ 46.8509, 52.4091,
76.7544

■ 53.4455, 58.6569,
77.6128

■ 60.9669, 65.5353,
78.5440

Harmonies

Analogous

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



17.5254, 24.0301, 63.7478



22.5629, 24.0301, 72.5563



28.5699, 24.0301, 65.2009

Triad

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



22.5629, 24.0301, 72.5563



34.0435, 24.0301, 13.7166



14.6168, 24.0301, 12.8391

Complementary

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



22.5629, 24.0301, 72.5563



33.1462, 21.5728, 2.4186

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.



17.9323, 24.0301, 6.9965



22.5629, 24.0301, 72.5563



29.1328, 24.0301, 7.3323

Square

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



22.5629, 24.0301, 72.5563



35.8326, 24.0301, 26.9693



23.1191, 24.0301, 5.5135



13.4423, 24.0301, 25.3762

Rectangle

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



22.5629, 24.0301, 72.5563



32.2147, 24.0301, 53.3493



23.1191, 24.0301, 5.5135



15.4870, 24.0301, 10.2601

Sweetspot

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



22.5639, 24.0308, 72.5569



63.9221, 71.5383, 105.0470



27.6238, 52.8439, 16.6145



12.9430, 14.5905, 22.3840



0.0000, 0.0000, 0.0000



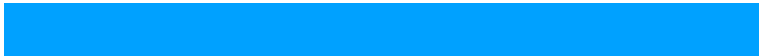
20.3446, 21.4041, 23.3091

Same Dimension

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



22.5639, 24.0308, 72.5569



30.7578, 32.6357, 99.2859



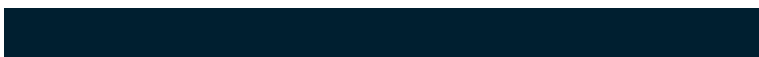
13.6410, 6.1852, 69.5827



13.6687, 14.6765, 17.5001



13.5098, 14.4892, 43.1330



1.0211, 1.1738, 3.0180

Inverse Universe

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



34.8587, 17.4244, 26.3374



47.6543, 23.8257, 35.7074



49.0641, 53.4086, 7.7245



14.0690, 13.8452, 16.1335



20.7593, 10.3707, 15.9303



1.4817, 0.7359, 1.3294

Previews

White Background



This preview shows how the XYZ color 22.5629, 24.0301, 72.5563 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 22.5629, 24.0301, 72.5563 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

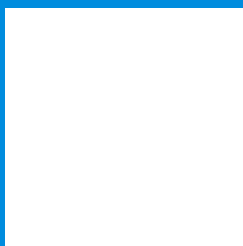
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.5629, 24.0301, 72.5563

Background



This preview shows how black text looks on a background with the XYZ color 22.5629, 24.0301, 72.5563.



This preview shows how white text looks on a background with the XYZ color 22.5629, 24.0301,

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

22.5629, 24.0301, 72.5563

Protanopia

25.7334, 23.9124, 66.8776

Deuteranopia

24.8073, 24.1115, 73.1585



Tritanopia

17.0055, 23.9981, 36.5367

Trichromacy



Original Color

22.5629, 24.0301, 72.5563

Protanomaly

23.2295, 23.1838, 68.8962

Deuteranomaly

23.4372, 23.8234, 73.1751

Tritanomaly

18.7224, 23.9352, 47.8891

Monochromacy



Original Color

22.5629, 24.0301, 72.5563

Achromatopsia

14.2537, 14.9960, 16.3306

Achromatomaly

14.5955, 16.8681, 30.9204

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5629, 24.0301, 72.5563 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 140, 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, 140, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 140, 222) }
```

Border

The CSS property to change the border of an element to XYZ 22.5629, 24.0301, 72.5563 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, 222) }
```


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

```
.border{ border-color:rgb(0, 140, 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, 140, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 140, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 140, 222); box-shadow:4px 4px 4px 4px rgb(0, 140, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5629, 24.0301, 72.5563 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, 222) }
```

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

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