

Converting Colors

XYZ(21.1505, 23.8053, 72.4744)

Have a look what the booklet for
XYZ(21.1505, 23.8053, 72.4744)
contains.

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Color

**XYZ(22.8578, 24.6199,
72.6546)**

Conversions

Conversions Part 1

Format	Color
Hex	008EDE
RGB	0, 142, 222
RGB Percent	0%, 56%, 87%
CMY	0.9998, 0.4431, 0.1294
CMYK	1.00, 0.36, 0.00, 0.13
HSL	202°, 100%, 44%
HSV	202°, 100%, 87%
XYZ	22.8578, 24.6199, 72.6546
YIQ	108.6620, -110.3120, -5.2240

Conversions

Conversions Part 2

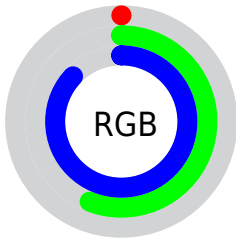
Format	Color
RYB	0, 87, 222
Decimal	36574
CIELab	56.70, -2.44, -49.42
CIELCh	57, 49.479, 267.172
Yxy	24.6199, 0.1903, 0.2049
Android (android.graphics.Color)	4278226654 (0xFF008EDE)
YUV	108.6620, 55.8756, -95.2966
Hunter-Lab	49.6184, -4.6024, -52.0834

Details

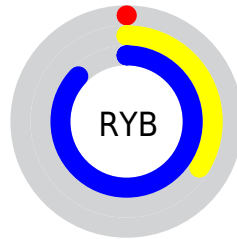
The XYZ color **22.8578, 24.6199, 72.6546** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **32.9975, 21.2753, 2.3690**, and the grayscale version is **14.3147, 15.0602, 16.4006**.

A 20% lighter version of the original color is **43.2740, 49.1933, 101.8222**, and **10.7101, 10.4075, 37.5208** is the 20% darker color. If you saturate the color by 10%, you get **22.8551, 24.6143, 72.6542**, and if you desaturate by 10%, it is **24.4283, 27.2611, 73.0822**.

Distribution



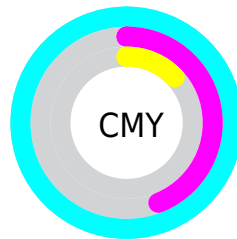
- Red (0%)
- Green (56%)
- Blue (87%)



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



- Cyan (100%)
- Magenta (36%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (44%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8578, 24.6199, 72.6546 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 22.8578, 24.6199, 72.6546 by changing the saturation by 10% instead.

■ 22.8578, 24.6199,
72.6546

■ 22.8578, 24.6199,
72.6546

259.5428,
275.9397, 488.8555

■ 14.6087, 15.7941,
53.2035

■ 47.6281, 51.0399,
124.7031

■ 8.6297, 9.3786,
37.5764

■ 64.8800, 69.4029,
158.1376

■ 4.5556, 4.9889,
25.3548

■ 85.8635, 91.7138,
197.0703

■ 2.0210, 2.2408,
16.1202

■ 110.9440,
118.3569, 241.9197

■ 0.6457, 0.7421,
9.4540

■ 140.4868,
149.7166, 293.1043

■ 0.0000, 0.0000,
4.9376

174.8573,

■ 0.0000, 0.0000,

186.1774, 351.0429

2.1526

214.4208,
228.1236, 416.1537

■ 0.0000, 0.0000,
0.6468

■ 0.0000, 0.0000,
0.0000

■ 22.8578, 24.6199,
72.6546

■ 22.8578, 24.6199,
72.6546

■ 22.8551, 24.6143,
72.6542

■ 24.4283, 27.2611,
73.0822

■ 26.4710, 30.2750,
73.5563

■ 29.1136, 33.7301,
74.0839

■ 32.4287, 37.6663,
74.6689

■ 36.4777, 42.1175,
75.3147

■ 41.3146, 47.1139,
76.0242

■ 46.9877, 52.6828,
76.8000

■ 53.5416, 58.8491,
77.6448

■ 61.0174, 65.6363,
78.5609

Harmonies

Analogous

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



17.8912, 24.6199, 63.3072



22.8578, 24.6199, 72.6546



28.8359, 24.6199, 66.1258

Triad

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



22.8578, 24.6199, 72.6546



34.7113, 24.6199, 14.7667



15.2676, 24.6199, 13.0176

Complementary

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



22.8578, 24.6199, 72.6546



32.9975, 21.2753, 2.3690

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.



18.6950, 24.6199, 7.3224



22.8578, 24.6199, 72.6546



29.9385, 24.6199, 8.0018

Square

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



22.8578, 24.6199, 72.6546



36.3087, 24.6199, 28.4039



23.9517, 24.6199, 5.9585



13.9839, 24.6199, 25.2708

Rectangle

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



22.8578, 24.6199, 72.6546



32.5071, 24.6199, 54.6952



23.9517, 24.6199, 5.9585



16.1764, 24.6199, 10.4998

Sweetspot

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



22.8588, 24.6207, 72.6552



64.1107, 71.9156, 105.1098



27.4879, 52.7896, 15.8990



12.9880, 14.6805, 22.3990



0.0000, 0.0000, 0.0000



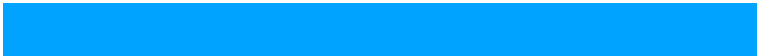
20.3446, 21.4041, 23.3091

Same Dimension

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



22.8588, 24.6207, 72.6552



31.1624, 33.4449, 99.4208



13.7392, 6.3814, 69.6154



13.6794, 14.6979, 17.5037



13.6843, 14.8381, 43.1912



1.0325, 1.1964, 3.0218

Inverse Universe

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



35.0076, 17.4840, 27.1213



47.8585, 23.9074, 36.7828



48.2598, 51.8000, 7.4564



14.0744, 13.8474, 16.1619



20.8474, 10.4060, 16.3939



1.4874, 0.7382, 1.3595

Previews

White Background



This preview shows how the XYZ color 22.8578, 24.6199, 72.6546 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 22.8578, 24.6199, 72.6546 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

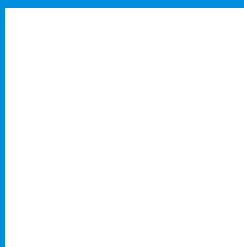
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.8578, 24.6199, 72.6546

Background



This preview shows how black text looks on a background with the XYZ color 22.8578, 24.6199, 72.6546.



This preview shows how white text looks on a background with the XYZ color 22.8578, 24.6199,

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

22.8578, 24.6199, 72.6546

Protanopia

26.3508, 24.6334, 66.9842

Deuteranopia

25.2653, 24.5557, 73.2201



Tritanopia

17.3394, 24.3859, 37.5113

Trichromacy



Original Color

22.8578, 24.6199, 72.6546

Protanomaly

23.6433, 23.8114, 68.9956

Deuteranomaly

23.7232, 24.1828, 73.2294

Tritanomaly

18.9810, 24.2863, 48.4871

Monochromacy



Original Color

22.8578, 24.6199, 72.6546

Achromatopsia

14.5356, 15.2926, 16.6537

Achromatomaly

14.7966, 17.1420, 31.3830

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8578, 24.6199, 72.6546 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, 142, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 142, 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, 142, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 142, 222) }
```

Border

The CSS property to change the border of an element to XYZ 22.8578, 24.6199, 72.6546 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, 142, 222) }
```


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

```
.border{ border-color:rgb(0, 142, 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, 142, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 142, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 142, 222); box-shadow:4px 4px 4px 4px rgb(0, 142, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8578, 24.6199, 72.6546 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 142, 222) }
```

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

```
.background{ background-color: rgb(0, 142,  
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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