

Converting Colors

XYZ(22.1563, 23.2629, 72.3081)

Have a look what the booklet for
XYZ(22.1563, 23.2629, 72.3081)
contains.

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Color

**XYZ(22.1305, 23.1652,
72.4122)**

Conversions

Conversions Part 1

Format	Color
Hex	0089DE
RGB	0, 137, 222
RGB Percent	0%, 54%, 87%
CMY	0.9998, 0.4627, 0.1294
CMYK	1.00, 0.38, 0.00, 0.13
HSL	203°, 100%, 44%
HSV	203°, 100%, 87%
XYZ	22.1305, 23.1652, 72.4122
YIQ	105.7270, -108.9370, -2.6090

Conversions

Conversions Part 2

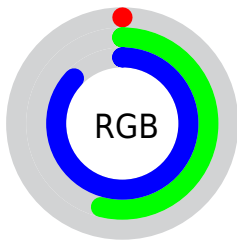
Format	Color
R _{YB}	0, 85, 222
Decimal	35294
CIE Lab	55.24, 0.52, -51.74
CIE LCh	55, 51.746, 270.579
Yxy	23.1652, 0.1880, 0.1968
Android (android.graphics.Color)	4278225374 (0xFF0089DE)
YUV	105.7270, 57.3226, -92.7226
Hunter-Lab	48.1302, -2.1528, -55.5109

Details

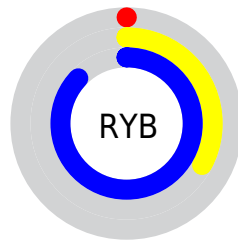
The XYZ color **22.1305, 23.1652, 72.4122** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **33.3780, 22.0363, 2.4960**, and the grayscale version is **13.4999, 14.2030, 15.4670**.

A 20% lighter version of the original color is **42.0570, 46.9305, 101.4496**, and **10.3727, 9.7326, 37.4083** is the 20% darker color. If you saturate the color by 10%, you get **22.1274, 23.1590, 72.4117**, and if you desaturate by 10%, it is **23.7240, 25.8524, 72.8474**.

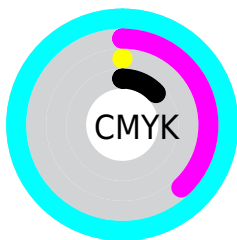
Distribution



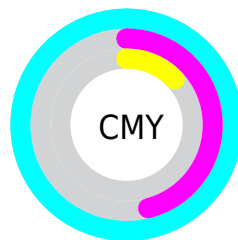
- Red (0%)
- Green (54%)
- Blue (87%)



- Red (0%)
- Yellow (33%)
- Blue (87%)



- Cyan (100%)
- Magenta (38%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (46%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1305, 23.1652, 72.4122 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 22.1305, 23.1652, 72.4122 by changing the saturation by 10% instead.

■ 22.1305, 23.1652,
72.4122

■ 22.1305, 23.1652,
72.4122

255.8466,
268.5724, 487.9911

■ 14.0700, 14.7155,
53.0066

■ 46.4388, 48.6644,
124.3556

■ 8.2514, 8.6200,
37.4203

■ 63.4173, 66.4828,
157.7304

■ 4.3094, 4.4942,
25.2347

■ 84.0992, 88.1929,
196.5987

■ 1.8786, 1.9536,
16.0314

■ 108.8498,
114.1790, 241.3790

■ 0.5644, 0.5803,
9.3918

■ 138.0345,
144.8256, 292.4898

■ 0.0000, 0.0000,
4.8973

172.0186,

■ 0.0000, 0.0000,

180.5172, 350.3498

2.1295

211.1675,
221.6379, 415.3773

■ 0.0000, 0.0000,
0.6332

■ 0.0000, 0.0000,
0.0000

■ 22.1305, 23.1652,
72.4122

■ 22.1305, 23.1652,
72.4122

■ 22.1274, 23.1590,
72.4117

■ 23.7240, 25.8524,
72.8474

■ 25.8000, 28.9327,
73.3326

■ 28.4864, 32.4752,
73.8747

■ 31.8562, 36.5205,
74.4780

■ 35.9711, 41.1034,
75.1457

■ 40.8854, 46.2545,
75.8809

■ 46.6479, 52.0017,
76.6865

■ 53.3032, 58.3707,
77.5651

■ 60.8929, 65.3855,
78.5191

Harmonies

Analogous

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



16.9903, 23.1652, 64.4243



22.1305, 23.1652, 72.4122



28.1796, 23.1652, 63.8243

Triad

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



22.1305, 23.1652, 72.4122



33.0580, 23.1652, 12.2333



13.6760, 23.1652, 12.5810

Complementary

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



22.1305, 23.1652, 72.4122



33.3780, 22.0363, 2.4960

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.



16.8269, 23.1652, 6.5291



22.1305, 23.1652, 72.4122



27.9506, 23.1652, 6.3991

Square

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



22.1305, 23.1652, 72.4122



35.1287, 23.1652, 24.9022



21.9055, 23.1652, 4.8894



12.6578, 23.1652, 25.5465

Rectangle

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



22.1305, 23.1652, 72.4122



31.7842, 23.1652, 51.3637



21.9055, 23.1652, 4.8894



14.4901, 23.1652, 9.9127

Sweetspot

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



22.1315, 23.1659, 72.4128



63.6403, 70.9748, 104.9530



27.6239, 52.8440, 16.6151



12.8758, 14.4561, 22.3616



0.0000, 0.0000, 0.0000



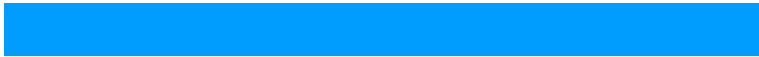
20.3446, 21.4041, 23.3091

Same Dimension

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



22.1315, 23.1659, 72.4128



30.1644, 31.4487, 99.0881



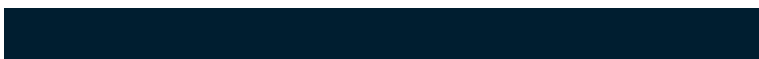
13.6412, 6.1854, 69.5827



13.6527, 14.6445, 17.4948



13.2537, 13.9770, 43.0477



1.0044, 1.1403, 3.0124

Inverse Universe

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



34.6405, 17.3372, 25.1879



47.3548, 23.7059, 34.1299



49.0643, 53.4089, 7.7247



14.0609, 13.8420, 16.0910



20.6301, 10.3190, 15.2496



1.4733, 0.7326, 1.2850

Previews

White Background



This preview shows how the XYZ color 22.1305, 23.1652, 72.4122 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 22.1305, 23.1652, 72.4122 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

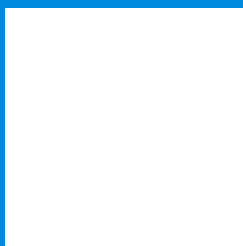
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.1305, 23.1652, 72.4122

Background



This preview shows how black text looks on a background with the XYZ color 22.1305, 23.1652, 72.4122.



This preview shows how white text looks on a background with the XYZ color 22.1305, 23.1652,

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

22.1305, 23.1652, 72.4122

Protanopia

25.0249, 23.1522, 66.7682

Deuteranopia

23.9536, 23.2610, 73.0394



Tritanopia

16.3647, 22.9921, 35.4737

Trichromacy



Original Color

22.1305, 23.1652, 72.4122

Protanomaly

22.7623, 22.5364, 68.7959

Deuteranomaly

22.7992, 22.8701, 73.0248

Tritanomaly

18.1630, 22.9811, 47.1946

Monochromacy



Original Color

22.1305, 23.1652, 72.4122

Achromatopsia

13.6994, 14.4128, 15.6956

Achromatomaly

14.0213, 16.0540, 30.3767

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1305, 23.1652, 72.4122 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, 137, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 137, 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, 137, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 137, 222) }
```

Border

The CSS property to change the border of an element to XYZ 22.1305, 23.1652, 72.4122 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, 137, 222) }
```


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

```
.border{ border-color:rgb(0, 137, 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, 137, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 137, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 137, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 137,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1305, 23.1652, 72.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 137, 222) }
```

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

```
.background{ background-color: rgb(0, 137,  
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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