

Converting Colors

XYZ(10.1422, 17.0555, 75.8275)

Have a look what the booklet for
XYZ(10.1422, 17.0555, 75.8275)
contains.

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Color

**XYZ(23.0921, 23.7784,
76.7714)**

Conversions

Conversions Part 1

Format	Color
Hex	008AE4
RGB	0, 138, 228
RGB Percent	0%, 54%, 89%
CMY	0.9998, 0.4588, 0.1059
CMYK	1.00, 0.39, 0.00, 0.11
HSL	204°, 100%, 45%
HSV	204°, 100%, 89%
XYZ	23.0921, 23.7784, 76.7714
YIQ	106.9980, -111.1380, -1.2660

Conversions

Conversions Part 2

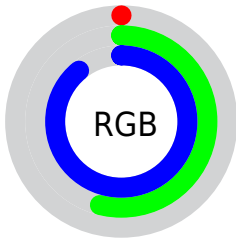
Format	Color
R _{YB}	0, 86, 228
Decimal	35556
CIE _{Lab}	55.87, 2.23, -54.10
CIE _{LCh}	56, 54.150, 272.359
Yxy	23.7784, 0.1868, 0.1923
Android (android.graphics.Color)	4278225636 (0xFF008AE4)
YUV	106.9980, 59.6540, -93.8372
Hunter-Lab	48.7631, -0.8055, -59.2105

Details

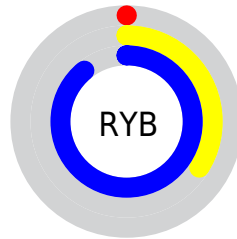
The XYZ color **23.0921, 23.7784, 76.7714** is a dark color, and the websafe version is hex **0099FF**. The color can be described as dark washed azure. A complement of this color would be **35.6569, 23.8170, 2.7196**, and the grayscale version is **13.8421, 14.5630, 15.8591**.

A 20% lighter version of the original color is **42.5065, 47.4849, 101.5329**, and **11.0188, 10.1233, 40.4030** is the 20% darker color. If you saturate the color by 10%, you get **23.0888, 23.7717, 76.7708**, and if you desaturate by 10%, it is **24.7881, 26.6505, 77.2369**.

Distribution



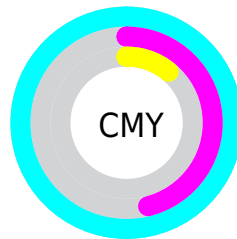
- Red (0%)
- Green (54%)
- Blue (89%)



- Red (0%)
- Yellow (34%)
- Blue (89%)



- Cyan (100%)
- Magenta (39%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (46%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0921, 23.7784, 76.7714 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 23.0921, 23.7784, 76.7714 by changing the saturation by 10% instead.

■ 23.0921, 23.7784,
76.7714

■ 23.0921, 23.7784,
76.7714

260.7242,
271.6982, 503.4012

■ 14.7826, 15.1693,
56.5548

■ 48.0101, 49.6683,
130.5868

■ 8.7523, 8.9383,
40.2410

■ 65.3492, 67.7180,
165.0227

■ 4.6358, 4.7010,
27.4113

■ 86.4290, 89.6833,
205.0355

■ 2.0677, 2.0729,
17.6472

■ 111.6147,
115.9486, 251.0437

■ 0.6716, 0.6493,
10.5302

■ 141.2717,
146.8984, 303.4658

■ 0.0000, 0.0000,
5.6417

175.7654,

■ 0.0000, 0.0000,

182.9170, 362.7204

2.5632

215.4611,
224.3888, 429.2260

■ 0.0000, 0.0000,
0.8734

■ 0.0000, 0.0000,
0.0000

■ 23.0921, 23.7784,
76.7714

■ 23.0921, 23.7784,
76.7714

■ 23.0888, 23.7717,
76.7708

■ 24.7881, 26.6505,
77.2369

■ 27.0047, 29.9534,
77.7576

■ 29.8766, 33.7604,
78.3411

■ 33.4821, 38.1152,
78.9916

■ 37.8874, 43.0555,
79.7130

■ 43.1507, 48.6143,
80.5086

■ 49.3244, 54.8220,
81.3814

■ 56.4562, 61.7062,
82.3343

■ 64.5905, 69.2930,
83.3699

Harmonies

Analogous

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



17.5359, 23.7784, 69.1054



23.0921, 23.7784, 76.7714



29.5565, 23.7784, 66.4513

Triad

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



23.0921, 23.7784, 76.7714



34.1637, 23.7784, 11.6409



13.6429, 23.7784, 13.1199

Complementary

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



23.0921, 23.7784, 76.7714



35.6569, 23.8170, 2.7196

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.



16.8319, 23.7784, 6.4999



23.0921, 23.7784, 76.7714



28.5573, 23.7784, 5.9595

Square

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



23.0921, 23.7784, 76.7714



36.6319, 23.7784, 24.5182



22.1162, 23.7784, 4.6288



12.7062, 23.7784, 27.3133

Rectangle

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



23.0921, 23.7784, 76.7714



33.3452, 23.7784, 52.6458



22.1162, 23.7784, 4.6288



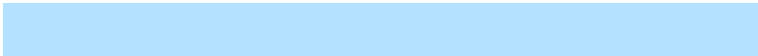
14.4544, 23.7784, 10.2010

Sweetspot

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



23.0931, 23.7791, 76.7720



63.3948, 70.4837, 104.8712



29.4827, 56.1829, 18.4015



12.8173, 14.3392, 22.3421



0.0000, 0.0000, 0.0000



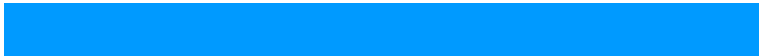
20.3446, 21.4041, 23.3091

Same Dimension

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



23.0931, 23.7791, 76.7720



29.6577, 30.4354, 98.9192



14.3885, 6.3700, 73.8705



14.3049, 15.3311, 18.3496



13.4509, 13.9640, 44.3695



1.0840, 1.2119, 3.3087

Inverse Universe

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



36.5833, 18.3305, 25.6551



47.0990, 23.6036, 32.7833



52.9774, 58.4580, 8.4931



14.7415, 14.5138, 16.8390



21.1829, 10.6074, 15.1241



1.6108, 0.8020, 1.3568

Previews

White Background



This preview shows how the XYZ color 23.0921, 23.7784, 76.7714 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 23.0921, 23.7784, 76.7714 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

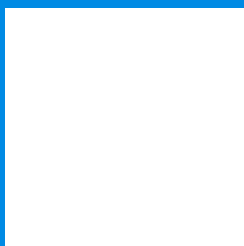
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.0921, 23.7784, 76.7714

Background



This preview shows how black text looks on a background with the XYZ color 23.0921, 23.7784, 76.7714.

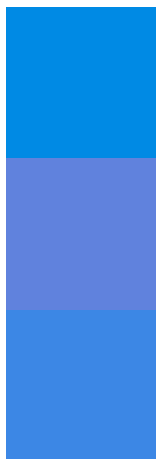


This preview shows how white text looks on a background with the XYZ color 23.0921, 23.7784,

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

23.0921, 23.7784, 76.7714

Protanopia

25.8576, 23.6725, 71.6130

Deuteranopia

24.6703, 23.9457, 77.4505

Trichromacy



Original Color

23.0921, 23.7784, 76.7714

Protanomaly

23.7665, 23.1490, 73.7366

Deuteranomaly

23.7463, 23.6775, 77.4474

Monochromacy



Original Color

23.0921, 23.7784, 76.7714

Achromatopsia

13.9749, 14.7027, 16.0113

Achromatomaly

14.4482, 16.4202, 31.6861

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0921, 23.7784, 76.7714 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, 138, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 138, 228)  
}
```

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, 138, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 138, 228) }
```

Border

The CSS property to change the border of an element to XYZ 23.0921, 23.7784, 76.7714 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, 138, 228) }
```

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

```
.border{ border-color:rgb(0, 138, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 138, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 138, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 138, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 138,  
228) }
```


Background

The CSS property to change the background color of an element to XYZ 23.0921, 23.7784, 76.7714 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 138, 228) }
```

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

```
.background{ background-color: rgb(0, 138,  
228) }
```

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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