

Converting Colors

XYZ(18.3415, 23.9124, 71.8255)

Have a look what the booklet for
XYZ(18.3415, 23.9124, 71.8255)
contains.

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Color

**XYZ(23.7986, 26.7154,
72.3089)**

Conversions

Conversions Part 1

Format	Color
Hex	0095DD
RGB	0, 149, 221
RGB Percent	0%, 58%, 87%
CMY	0.9998, 0.4157, 0.1333
CMYK	1.00, 0.33, 0.00, 0.13
HSL	200°, 100%, 43%
HSV	200°, 100%, 87%
XYZ	23.7986, 26.7154, 72.3089
YIQ	112.6570, -111.9160, -9.1960

Conversions

Conversions Part 2

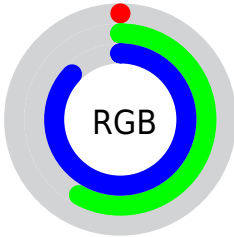
Format	Color
RYB	0, 89, 221
Decimal	38365
CIELab	58.71, -6.88, -45.68
CIELCh	59, 46.197, 261.432
Yxy	26.7154, 0.1938, 0.2175
Android (android.graphics.Color)	4278228445 (0xFF0095DD)
YUV	112.6570, 53.4131, -98.8002
Hunter-Lab	51.6869, -8.2641, -46.7646

Details

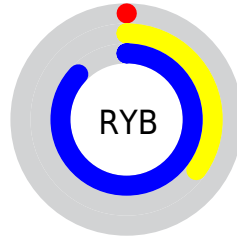
The XYZ color **23.7986, 26.7154, 72.3089** is a dark color, and the websafe version is hex **3399CC**. The color can be described as dark washed azure. A complement of this color would be **32.1401, 20.0139, 2.1706**, and the grayscale version is **15.4705, 16.2762, 17.7247**.

A 20% lighter version of the original color is **45.1149, 52.8749, 102.4358**, and **11.2534, 11.6403, 37.2510** is the 20% darker color. If you saturate the color by 10%, you get **23.7962, 26.7104, 72.3086**, and if you desaturate by 10%, it is **25.3081, 29.2380, 72.7168**.

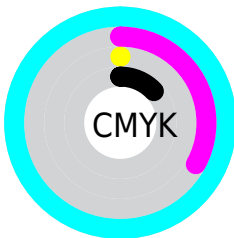
Distribution



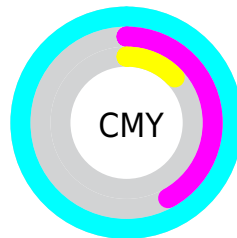
- Red (0%)
- Green (58%)
- Blue (87%)



- Red (0%)
- Yellow (35%)
- Blue (87%)



- Cyan (100%)
- Magenta (33%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (42%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.7986, 26.7154, 72.3089 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 23.7986, 26.7154, 72.3089 by changing the saturation by 10% instead.

■ 23.7986, 26.7154,
72.3089

■ 23.7986, 26.7154,
72.3089

264.2601,
286.2765, 487.6225

■ 15.3082, 17.3596,
52.9227

■ 49.1584, 54.4268,
124.2074

■ 9.1237, 10.4912,
37.3537

■ 66.7586, 73.5513,
157.5568

■ 4.8797, 5.7258,
25.1836

■ 88.1260, 96.7007,
196.3976

■ 2.2109, 2.6791,
15.9936

■ 113.6261,
124.2595, 241.1484

■ 0.7485, 0.9666,
9.3653

■ 143.6242,
156.6121, 292.2278

■ 0.0000, 0.0000,
4.8802

178.4857,

■ 0.0000, 0.0000,

194.1428, 350.0542

2.1196

218.5758,
237.2362, 415.0463

■ 0.0000, 0.0000,
0.6274

■ 0.0000, 0.0000,
0.0000

■ 23.7986, 26.7154,
72.3089

■ 23.7986, 26.7154,
72.3089

■ 23.7962, 26.7104,
72.3086

■ 25.3081, 29.2380,
72.7168

■ 27.2701, 32.1000,
73.1659

■ 29.8106, 35.3685,
73.6628

■ 33.0011, 39.0819,
74.2114

■ 36.9018, 43.2732,
74.8148

■ 41.5657, 47.9712,
75.4758

■ 47.0402, 53.2020,
76.1969

■ 53.3691, 58.9897,
76.9805

■ 60.5924, 65.3566,
77.8287

Harmonies

Analogous

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



19.1703, 26.7154, 61.0616



23.7986, 26.7154, 72.3089



29.5982, 26.7154, 69.0296

Triad

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



23.7986, 26.7154, 72.3089



36.9834, 26.7154, 19.0860



17.7705, 26.7154, 13.6141

Complementary

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



23.7986, 26.7154, 72.3089



32.1401, 20.0139, 2.1706

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.



21.6048, 26.7154, 8.5991



23.7986, 26.7154, 72.3089



32.8327, 26.7154, 10.8387

Square

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



23.7986, 26.7154, 72.3089



37.8036, 26.7154, 34.0050



27.0554, 26.7154, 7.8186



16.0465, 26.7154, 24.6704

Rectangle

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



23.7986, 26.7154, 72.3089



33.3317, 26.7154, 59.4282



27.0554, 26.7154, 7.8186



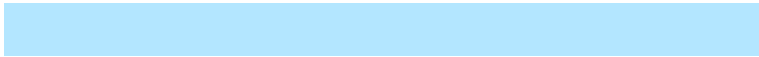
18.8256, 26.7154, 11.3677

Sweetspot

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



23.7996, 26.7163, 72.3096



64.8417, 73.3776, 105.3535



26.9635, 52.1561, 14.4437



13.1627, 15.0298, 22.4572



0.0000, 0.0000, 0.0000



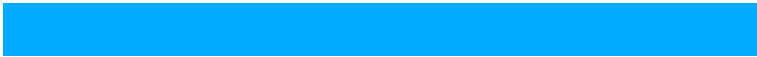
20.3446, 21.4041, 23.3091

Same Dimension

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



23.7996, 26.7163, 72.3096



32.7843, 36.6886, 99.9614



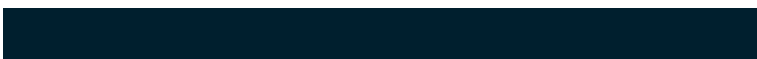
13.8297, 6.7765, 68.9863



13.0686, 14.0770, 16.6805



13.9307, 15.7307, 42.0405



0.9797, 1.1735, 2.7493

Inverse Universe

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



35.2446, 17.5434, 29.9631



48.6772, 24.2349, 41.0938



46.2405, 48.2146, 6.8707



13.4245, 13.1989, 15.4967



20.5269, 10.2118, 17.6864



1.3688, 0.6772, 1.3509

Previews

White Background



This preview shows how the XYZ color 23.7986, 26.7154, 72.3089 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 23.7986, 26.7154, 72.3089 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

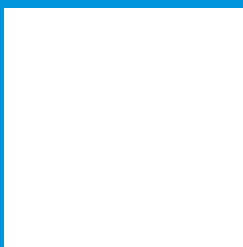
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 23.7986, 26.7154, 72.3089

Background



This preview shows how black text looks on a background with the XYZ color 23.7986, 26.7154, 72.3089.

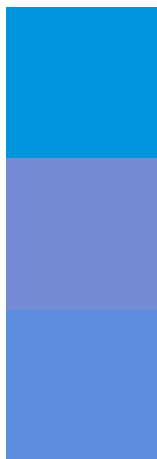


This preview shows how white text looks on a background with the XYZ color 23.7986, 26.7154,

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

23.7986, 26.7154, 72.3089

Protanopia

28.0424, 26.5753, 65.9389

Deuteranopia

27.4603, 26.7571, 73.5294



Tritanopia

18.9564, 26.6041, 41.1818

Trichromacy



Original Color

23.7986, 26.7154, 72.3089

Protanomaly

24.6864, 25.6688, 67.9434

Deuteranomaly

25.0216, 26.1811, 72.8419

Tritanomaly

20.3609, 26.3703, 51.0306

Monochromacy



Original Color

23.7986, 26.7154, 72.3089

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.8008, 18.5664, 32.4566

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.7986, 26.7154, 72.3089 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, 149, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 149, 221)  
}
```

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, 149, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 149, 221) }
```

Border

The CSS property to change the border of an element to XYZ 23.7986, 26.7154, 72.3089 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, 149, 221) }
```


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

```
.border{ border-color:rgb(0, 149, 221) }
```

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

Here you see how a box with a 4 pixel rgb(0, 149, 221) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 149, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 149, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 149,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 23.7986, 26.7154, 72.3089 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 149, 221) }
```

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

```
.background{ background-color: rgb(0, 149,  
221) }
```

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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