

# Converting Colors

XYZ(26.8756, 32.4812, 73.8552)

Have a look what the booklet for  
XYZ(26.8756, 32.4812, 73.8552)  
contains.

<b>XYZ(26.9590, 32.6175, 73.9822)</b> .....	3
<i><b>Conversions</b></i> .....	4
<i><b>Details</b></i> .....	6
<i><b>Harmonies</b></i> .....	12
<i><b>Previews</b></i> .....	24
<i><b>Color Blindness Simulation</b></i> .....	28
<i><b>CSS Examples</b></i> .....	31

# Color

**XYZ(26.9590, 32.6175,  
73.9822)**

# Conversions

## Conversions Part 1

Format	Color
Hex	0BA6DE
RGB	11, 166, 222
RGB Percent	4%, 65%, 87%
CMY	0.9567, 0.3490, 0.1294
CMYK	0.95, 0.25, 0.00, 0.13
HSL	196°, 91%, 46%
HSV	196°, 95%, 87%
XYZ	26.9590, 32.6175, 73.9822
YIQ	126.0390, -110.3560, -15.4440

# Conversions

## Conversions Part 2

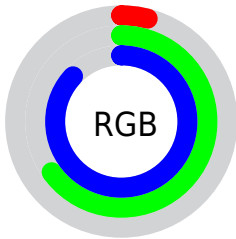
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	11, 100, 222
Decimal	763614
CIE Lab	63.85, -15.66, -38.15
CIE LCh	64, 41.245, 247.680
Yxy	32.6175, 0.2019, 0.2442
Android (android.graphics.Color)	4278953694 (0xFF0BA6DE)
YUV	126.0390, 47.3088, -100.8892
Hunter-Lab	57.1117, -15.6865, -36.8257

# Details

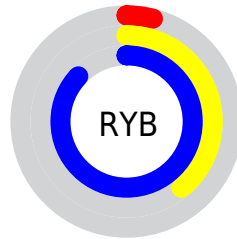
The XYZ color **26.9590, 32.6175, 73.9822** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **32.1951, 19.5739, 2.3993**, and the grayscale version is **19.7209, 20.7479, 22.5944**.

A 20% lighter version of the original color is **49.9699, 62.0587, 103.9526**, and **12.9924, 14.8246, 38.7359** is the 20% darker color. If you saturate the color by 10%, you get **26.2944, 31.4930, 73.8008**, and if you desaturate by 10%, it is **28.5527, 35.0666, 74.3716**.

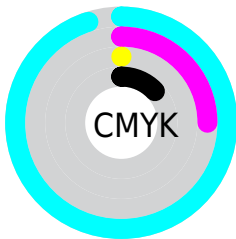
# Distribution



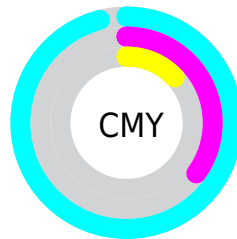
- Red (4%)
- Green (65%)
- Blue (87%)



- Red (4%)
- Yellow (39%)
- Blue (87%)



- Cyan (95%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (96%)
- Magenta (35%)
- Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 26.9590, 32.6175, 73.9822 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 26.9590, 32.6175, 73.9822 by changing the saturation by 10% instead.



■ 26.9590, 32.6175,  
73.9822

■ 26.9590, 32.6175,  
73.9822

279.6297,  
313.9226, 493.5737

■ 17.6789, 21.8336,  
54.2828

■ 54.2384, 63.7779,  
126.6044

■ 10.8180, 13.7347,  
38.4331

■ 72.9684, 84.9232,  
160.3642

■ 6.0109, 7.9364,  
26.0145

■ 95.5791, 110.2910,  
199.6479

■ 2.8925, 4.0543,  
16.6087

■ 122.4357,  
140.2658, 244.8741

■ 1.0972, 1.7040,  
9.7969

■ 153.9038,  
175.2320, 296.4612

■ 0.0227, 0.4262,  
5.1606

190.3486,

■ 0.0000, 0.0000,

215.5739, 354.8278

2.2814

232.1354,  
261.6760, 420.3925

■ 0.0000, 0.0000,  
0.7208

■ 0.0000, 0.0000,  
0.0000

■ 26.9590, 32.6175,  
73.9822

■ 26.9590, 32.6175,  
73.9822

■ 26.2944, 31.4930,  
73.8008

■ 28.5527, 35.0666,  
74.3716

■ 30.6635, 37.8555,  
74.7987

■ 33.3725, 41.0277,  
75.2682

■ 36.7452, 44.6176,  
75.7833

■ 40.8379, 48.6553,  
76.3470

■ 45.7009, 53.1675,  
76.9616

■ 51.3795, 58.1785,  
77.6295

■ 57.9155, 63.7106,  
78.3529

■ 65.3477, 69.7847,  
79.1336

# Harmonies

## Analogous

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



22.9913, 32.6175, 58.8168



26.9590, 32.6175, 73.9822



32.5155, 32.6175, 77.4691

# Triad

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



26.9590, 32.6175, 73.9822



43.4109, 32.6175, 31.4175



24.6761, 32.6175, 15.7692

# Complementary

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



26.9590, 32.6175, 73.9822



32.1951, 19.5739, 2.3993

# 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.



29.5361, 32.6175, 12.3443



26.9590, 32.6175, 73.9822



40.6857, 32.6175, 19.3588

# Square

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



26.9590, 32.6175, 73.9822



42.4974, 32.6175, 49.0684



35.4302, 32.6175, 13.4144



21.7924, 32.6175, 24.7198



# Rectangle

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



26.9590, 32.6175, 73.9822



36.4730, 32.6175, 71.9432



35.4302, 32.6175, 13.4144



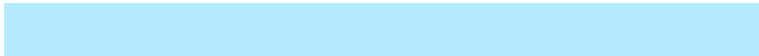
26.1074, 32.6175, 14.0846

# Sweetspot

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



26.9602, 32.6186, 73.9830



66.9320, 76.6782, 105.8804



27.1795, 52.6823, 13.5548



13.6253, 15.7898, 22.5796



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

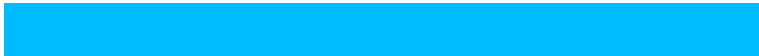


# Same Dimension

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



26.9602, 32.6186, 73.9830



35.8858, 42.8916, 100.9953



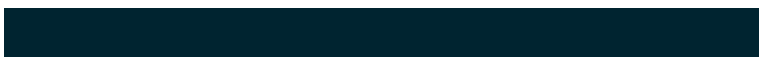
15.1450, 8.9882, 70.0446



13.7927, 14.9245, 17.5414



15.7138, 18.8972, 43.8677



1.1613, 1.4541, 3.0647



# Inverse Universe

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



37.1278, 18.5234, 37.6959



50.2427, 24.8611, 49.3376



44.4221, 44.0278, 6.4750



14.1316, 13.8703, 16.4630



21.8718, 10.8157, 21.7885



1.5524, 0.7643, 1.7020



# Previews

## White Background



This preview shows how the XYZ color 26.9590, 32.6175, 73.9822 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

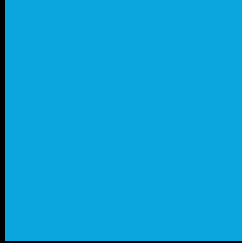
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 26.9590, 32.6175, 73.9822 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 ✓ Pass

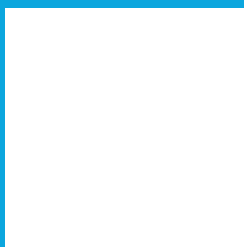
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 26.9590, 32.6175, 73.9822**

## **Background**



This preview shows how black text looks on a background with the XYZ color 26.9590, 32.6175, 73.9822.



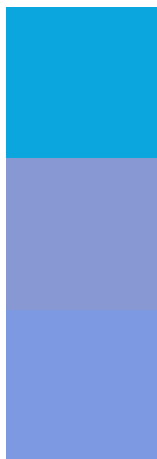
This preview shows how white text looks on a background with the XYZ color 26.9590, 32.6175,



# 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

26.9590, 32.6175, 73.9822

### Protanopia

33.1395, 32.3939, 66.1340

### Deuteranopia

33.2940, 32.5038, 75.7532



## Tritanopia

23.2146, 32.5865, 50.4137

# Trichromacy



## Original Color

26.9590, 32.6175, 73.9822



## Protanomaly

28.6371, 31.2444, 68.8114



## Deuteranomaly

29.2487, 31.6745, 75.0932



## Tritanomaly

24.4311, 32.4790, 58.4075

# Monochromacy



## Original Color

26.9590, 32.6175, 73.9822



## Achromatopsia

19.8309, 20.8637, 22.7206



## Achromatomaly

19.6141, 23.5078, 37.2219

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 26.9590, 32.6175, 73.9822 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(11, 166, 222)` looks like.

```
.text, #text, p{  
    color:rgb(11, 166, 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(11, 166, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 166, 222) }
```

## Border

The CSS property to change the border of an element to XYZ 26.9590, 32.6175, 73.9822 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(11, 166, 222) }
```



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

```
.border{ border-color:rgb(11, 166, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(11, 166, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 166, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 166, 222);  
box-shadow:4px 4px 4px 4px rgb(11, 166,  
222) }
```

# Background

The CSS property to change the background color of an element to XYZ 26.9590, 32.6175, 73.9822 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 166, 222) }
```

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

```
.background{ background-color: rgb(11, 166,  
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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