

Converting Colors

XYZ(20.5829, 29.3174, 73.1126)

Have a look what the booklet for
XYZ(20.5829, 29.3174, 73.1126)
contains.

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Color

**XYZ(26.6874, 32.4929,
73.2718)**

Conversions

Conversions Part 1

Format	Color
Hex	00A6DD
RGB	0, 166, 221
RGB Percent	0%, 65%, 87%
CMY	0.9998, 0.3490, 0.1333
CMYK	1.00, 0.25, 0.00, 0.13
HSL	195°, 100%, 43%
HSV	195°, 100%, 87%
XYZ	26.6874, 32.4929, 73.2718
YIQ	122.6360, -116.5910, -18.0870

Conversions

Conversions Part 2

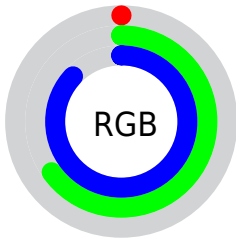
Format	Color
RYB	0, 95, 221
Decimal	42717
CIELab	63.75, -16.33, -37.77
CIELCh	64, 41.146, 246.614
Yxy	32.4929, 0.2015, 0.2453
Android (android.graphics.Color)	4278232797 (0xFF00A6DD)
YUV	122.6360, 48.4935, -107.5518
Hunter-Lab	57.0025, -16.1845, -36.3103

Details

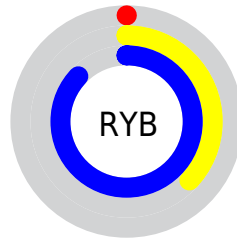
The XYZ color **26.6874, 32.4929, 73.2718** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.1883, 18.1103, 1.8535**, and the grayscale version is **18.5863, 19.5542, 21.2945**.

A 20% lighter version of the original color is **49.7321, 61.9362, 103.9415**, and **12.9002, 14.7878, 38.2508** is the 20% darker color. If you saturate the color by 10%, you get **26.6852, 32.4883, 73.2717**, and if you desaturate by 10%, it is **28.0438, 34.7092, 73.6288**.

Distribution



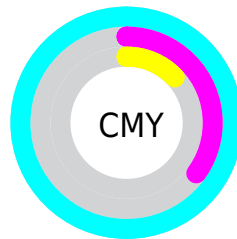
- Red (0%)
- Green (65%)
- Blue (87%)



- Red (0%)
- Yellow (37%)
- Blue (87%)



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (35%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 26.6874, 32.4929, 73.2718 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 26.6874, 32.4929, 73.2718 by changing the saturation by 10% instead.

■ 26.6874, 32.4929,
73.2718

■ 26.6874, 32.4929,
73.2718

278.3356,
313.3585, 491.0523

■ 17.4740, 21.7383,
53.7051

■ 53.8053, 63.5830,
125.5875

■ 10.6704, 13.6647,
37.9743

■ 72.4404, 84.6873,
159.1735

■ 5.9113, 7.8878,
25.6611

■ 94.9468, 110.0102,
198.2697

■ 2.8314, 4.0233,
16.3468

■ 121.6899,
139.9361, 243.2946

■ 1.0652, 1.6866,
9.6129

■ 153.0349,
174.8496, 294.6668

■ 0.0000, 0.4149,
5.0408

189.3473,

■ 0.0000, 0.0000,

215.1348, 352.8048

2.2121

230.9924,
261.1763, 418.1271

■ 0.0000, 0.0000,
0.6813

■ 0.0000, 0.0000,
0.0000

■ 26.6874, 32.4929,
73.2718

■ 26.6874, 32.4929,
73.2718

■ 26.6852, 32.4883,
73.2717

■ 28.0438, 34.7092,
73.6288

■ 29.8242, 37.2078,
74.0172

■ 32.1541, 40.0548,
74.4439

■ 35.1042, 43.2873,
74.9124

■ 38.7341, 46.9367,
75.4255

■ 43.0962, 51.0309,
75.9858

■ 48.2374, 55.5946,
76.5957

■ 54.2005, 60.6507,
77.2574

■ 61.0253, 66.2203,
77.9727

Harmonies

Analogous

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



22.8096, 32.4929, 57.9046



26.6874, 32.4929, 73.2718



32.1786, 32.4929, 77.2371

Triad

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



26.6874, 32.4929, 73.2718



43.2617, 32.4929, 31.8456



24.7301, 32.4929, 15.5185

Complementary

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



26.6874, 32.4929, 73.2718



31.1883, 18.1103, 1.8535

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.



29.6237, 32.4929, 12.2783



26.6874, 32.4929, 73.2718



40.6680, 32.4929, 19.6158

Square

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



26.6874, 32.4929, 73.2718



42.2220, 32.4929, 49.5428



35.4979, 32.4929, 13.5009



21.7818, 32.4929, 24.2105

Rectangle

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



26.6874, 32.4929, 73.2718



36.1229, 32.4929, 72.0501



35.4979, 32.4929, 13.5009



26.1770, 32.4929, 13.9027

Sweetspot

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



26.6886, 32.4940, 73.2726



66.5081, 76.7103, 105.9090



26.4686, 51.9582, 11.8371



13.5624, 15.8292, 22.5905



0.0000, 0.0000, 0.0000



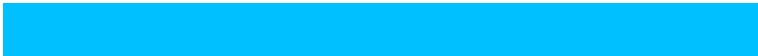
20.3446, 21.4041, 23.3091

Same Dimension

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



26.6886, 32.4940, 73.2726



36.7950, 44.7101, 101.2983



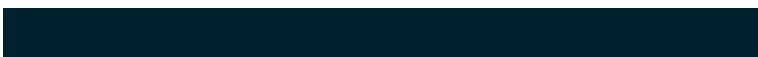
14.6148, 8.3464, 69.2480



13.1561, 14.2519, 16.7096



15.5956, 19.0606, 42.5955



1.0768, 1.3678, 2.7817

Inverse Universe

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



36.7028, 18.1268, 37.6417



50.7016, 25.0447, 51.7543



42.7544, 41.2424, 5.7089



13.4687, 13.2166, 15.7292



21.3673, 10.5479, 22.1119



1.4178, 0.6968, 1.6092

Previews

White Background



This preview shows how the XYZ color 26.6874, 32.4929, 73.2718 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 26.6874, 32.4929, 73.2718 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

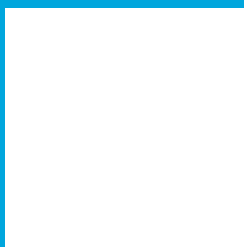
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 26.6874, 32.4929, 73.2718

Background



This preview shows how black text looks on a background with the XYZ color 26.6874, 32.4929, 73.2718.

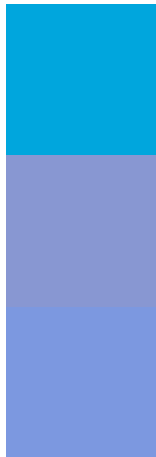


This preview shows how white text looks on a background with the XYZ color 26.6874, 32.4929,

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

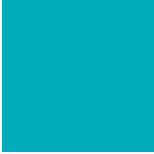
26.6874, 32.4929, 73.2718

Protanopia

32.8528, 32.0206, 65.4218

Deuteranopia

32.9950, 32.1234, 74.9824



Tritanopia

23.2146, 32.5865, 50.4137

Trichromacy



Original Color

26.6874, 32.4929, 73.2718



Protanomaly

27.9565, 30.6582, 68.0625



Deuteranomaly

28.6007, 31.1039, 74.3083



Tritanomaly

24.2660, 32.4072, 57.7996

Monochromacy



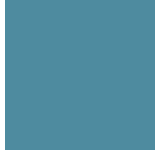
Original Color

26.6874, 32.4929, 73.2718



Achromatopsia

18.8265, 19.8069, 21.5697



Achromatomaly

18.6325, 22.5881, 36.1788

CSS Examples

Text

The CSS property to change the color of the text to XYZ 26.6874, 32.4929, 73.2718 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, 166, 221)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 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, 166, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 221) }
```

Border

The CSS property to change the border of an element to XYZ 26.6874, 32.4929, 73.2718 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, 166, 221) }
```


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

```
.border{ border-color:rgb(0, 166, 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, 166, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 221); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 221);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
221) }
```

Background

The CSS property to change the background color of an element to XYZ 26.6874, 32.4929, 73.2718 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 221) }
```

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

```
.background{ background-color: rgb(0, 166,  
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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