

Converting Colors

XYZ(27.3569, 33.6178, 74.1551)

Have a look what the booklet for
XYZ(27.3569, 33.6178, 74.1551)
contains.

XYZ(27.3728, 33.6499, 74.1596)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(27.3728, 33.6499,
74.1596)**

Conversions

Conversions Part 1

Format	Color
Hex	00A9DE
RGB	0, 169, 222
RGB Percent	0%, 66%, 87%
CMY	0.9998, 0.3372, 0.1294
CMYK	1.00, 0.24, 0.00, 0.13
HSL	194°, 100%, 44%
HSV	194°, 100%, 87%
XYZ	27.3728, 33.6499, 74.1596
YIQ	124.5110, -117.7370, -19.3450

Conversions

Conversions Part 2

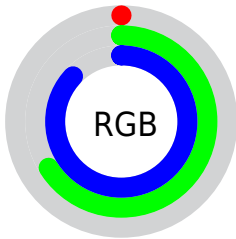
Format	Color
RYB	0, 96, 222
Decimal	43486
CIELab	64.68, -17.58, -36.86
CIELCh	65, 40.838, 244.494
Yxy	33.6499, 0.2025, 0.2489
Android (android.graphics.Color)	4278233566 (0xFF00A9DE)
YUV	124.5110, 48.0621, -109.1961
Hunter-Lab	58.0085, -17.2852, -35.1919

Details

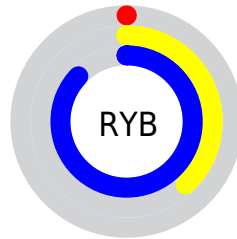
The XYZ color **27.3728, 33.6499, 74.1596** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **31.4004, 18.0811, 1.8366**, and the grayscale version is **19.2073, 20.2076, 22.0060**.

A 20% lighter version of the original color is **50.5314, 63.5346, 104.2079**, and **13.3363, 15.5126, 38.8505** is the 20% darker color. If you saturate the color by 10%, you get **27.3708, 33.6457, 74.1596**, and if you desaturate by 10%, it is **28.7162, 35.8369, 74.5116**.

Distribution



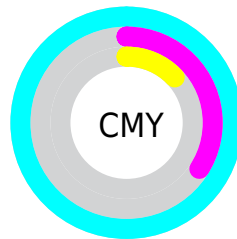
- Red (0%)
- Green (66%)
- Blue (87%)



- Red (0%)
- Yellow (38%)
- Blue (87%)



- Cyan (100%)
- Magenta (24%)
- Yellow (0%)
- Black (13%)



- Cyan (100%)
- Magenta (34%)
- Yellow (13%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 27.3728, 33.6499, 74.1596 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 27.3728, 33.6499, 74.1596 by changing the saturation by 10% instead.

■ 27.3728, 33.6499,
74.1596

■ 27.3728, 33.6499,
74.1596

281.5924,
318.5681, 494.2021

■ 17.9914, 22.6248,
54.4271

■ 54.8972, 65.3889,
126.8582

■ 11.0435, 14.3167,
38.5477

■ 73.7709, 86.8715,
160.6613

■ 6.1636, 8.3413,
26.1029

■ 96.5395, 112.6087,
199.9917

■ 2.9864, 4.3141,
16.6742

■ 123.5683,
142.9850, 245.2680

■ 1.1466, 1.8508,
9.8430

■ 155.2226,
178.3847, 296.9086

■ 0.0636, 0.5185,
5.1907

191.8678,

■ 0.0000, 0.0000,

219.1922, 355.3322

2.2989

233.8693,
265.7919, 420.9572

■ 0.0000, 0.0000,
0.7306

■ 0.0000, 0.0000,
0.0000

■ 27.3728, 33.6499,
74.1596

■ 27.3728, 33.6499,
74.1596

■ 27.3708, 33.6457,
74.1596

■ 28.7162, 35.8369,
74.5116

■ 30.4849, 38.3027,
74.8943

■ 32.8054, 41.1136,
75.3146

■ 35.7493, 44.3073,
75.7759

■ 39.3767, 47.9155,
76.2811

■ 43.7406, 51.9659,
76.8330

■ 48.8882, 56.4837,
77.4337

■ 54.8630, 61.4918,
78.0854

■ 61.7050, 67.0115,
78.7902

Harmonies

Analogous

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



23.5669, 33.6499, 58.1193



27.3728, 33.6499, 74.1596



32.8742, 33.6499, 79.1404

Triad

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



27.3728, 33.6499, 74.1596



44.5817, 33.6499, 34.1684



26.0174, 33.6499, 15.9601

Complementary

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



27.3728, 33.6499, 74.1596



31.4004, 18.0811, 1.8366

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.



31.1085, 33.6499, 12.9666



27.3728, 33.6499, 74.1596



42.1970, 33.6499, 21.2349

Square

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



27.3728, 33.6499, 74.1596



43.2679, 33.6499, 52.3641



37.0843, 33.6499, 14.5509



22.8540, 33.6499, 24.4268

Rectangle

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



27.3728, 33.6499, 74.1596



36.8856, 33.6499, 74.5456



37.0843, 33.6499, 14.5509



27.5357, 33.6499, 14.4211

Sweetspot

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



27.3740, 33.6510, 74.1605



66.7318, 77.1577, 105.9835



26.7385, 52.4899, 11.9526



13.6162, 15.9368, 22.6084



0.0000, 0.0000, 0.0000



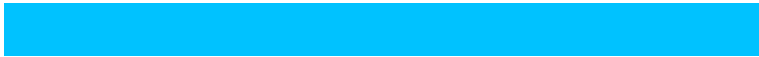
20.3446, 21.4041, 23.3091

Same Dimension

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



27.3740, 33.6510, 74.1605



37.3658, 45.8516, 101.4886



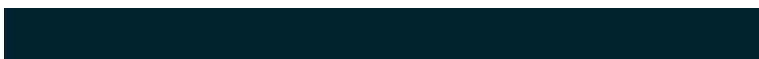
14.7620, 8.4271, 69.9565



13.8247, 14.9886, 17.5521



16.3476, 20.1647, 44.0789



1.2007, 1.5328, 3.0778

Inverse Universe

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



37.2867, 18.3956, 39.1226



50.9897, 25.1599, 53.2714



43.1893, 41.6588, 5.7662



14.1478, 13.8767, 16.5482



22.1917, 10.9437, 23.4730



1.5723, 0.7722, 1.8066

Previews

White Background



This preview shows how the XYZ color 27.3728, 33.6499, 74.1596 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 27.3728, 33.6499, 74.1596 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

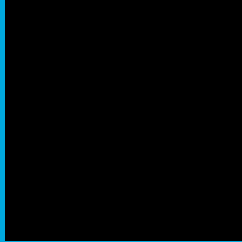
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 27.3728, 33.6499, 74.1596

Background



This preview shows how black text looks on a background with the XYZ color 27.3728, 33.6499, 74.1596.



This preview shows how white text looks on a background with the XYZ color 27.3728, 33.6499,

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

27.3728, 33.6499, 74.1596

Protanopia

34.0037, 33.3398, 65.6158

Deuteranopia

34.2140, 33.4681, 75.8909



Tritanopia

23.9132, 33.4750, 52.2147

Trichromacy



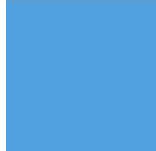
Original Color

27.3728, 33.6499, 74.1596



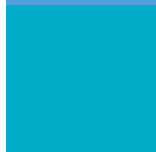
Protanomaly

28.6556, 31.7752, 68.2412



Deuteranomaly

29.4187, 32.2728, 75.1997



Tritanomaly

25.1779, 33.6752, 59.8165

Monochromacy



Original Color

27.3728, 33.6499, 74.1596



Achromatopsia

19.4927, 20.5079, 22.3331



Achromatomaly

19.1783, 23.2933, 36.7430

CSS Examples

Text

The CSS property to change the color of the text to XYZ 27.3728, 33.6499, 74.1596 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, 169, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 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, 169, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 222) }
```

Border

The CSS property to change the border of an element to XYZ 27.3728, 33.6499, 74.1596 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, 169, 222) }
```


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

```
.border{ border-color:rgb(0, 169, 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, 169, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 169, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 169, 222); box-shadow:4px 4px 4px 4px rgb(0, 169, 222) }
```

Background

The CSS property to change the background color of an element to XYZ 27.3728, 33.6499, 74.1596 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 222) }
```

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

```
.background{ background-color: rgb(0, 169,  
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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