

Converting Colors

XYZ(27.1241, 42.7430, 73.5200)

Have a look what the booklet for
XYZ(27.1241, 42.7430, 73.5200)
contains.

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Color

**XYZ(33.2096, 45.9613,
74.1389)**

Conversions

Conversions Part 1

Format	Color
Hex	00C7DB
RGB	0, 199, 219
RGB Percent	0%, 78%, 86%
CMY	0.9998, 0.2196, 0.1412
CMYK	1.00, 0.09, 0.00, 0.14
HSL	185°, 100%, 43%
HSV	185°, 100%, 86%
XYZ	33.2096, 45.9613, 74.1389
YIQ	141.7790, -125.0240, -35.9680

Conversions

Conversions Part 2

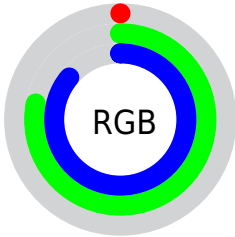
Format	Color
RYB	0, 104, 219
Decimal	51163
CIELab	73.52, -33.70, -21.61
CIELCh	74, 40.031, 212.665
Yxy	45.9613, 0.2166, 0.2998
Android (android.graphics.Color)	4278241243 (0xFF00C7DB)
YUV	141.7790, 38.0700, -124.3402
Hunter-Lab	67.7948, -31.2017, -17.3819

Details

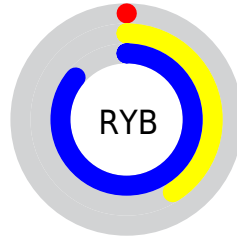
The XYZ color **33.2096, 45.9613, 74.1389** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **29.4652, 15.5626, 1.4525**, and the grayscale version is **25.5207, 26.8497, 29.2393**.

A 20% lighter version of the original color is **59.9943, 81.9281, 107.2594**, and **16.8262, 22.9311, 38.6613** is the 20% darker color. If you saturate the color by 10%, you get **33.2092, 45.9603, 74.1396**, and if you desaturate by 10%, it is **34.0036, 47.0593, 74.3099**.

Distribution



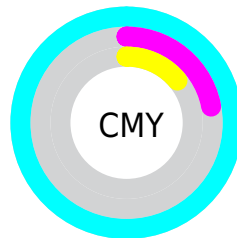
- Red (0%)
- Green (78%)
- Blue (86%)



- Red (0%)
- Yellow (41%)
- Blue (86%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (14%)



- Cyan (100%)
- Magenta (22%)
- Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.2096, 45.9613, 74.1389 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 33.2096, 45.9613, 74.1389 by changing the saturation by 10% instead.

33.2096, 45.9613,
74.1389

33.2096, 45.9613,
74.1389

308.2415,
370.6530, 494.1288

22.4471, 32.2153,
54.4103

64.0551, 84.1611,
126.8285

14.3042, 21.5260,
38.5343

84.8688, 109.3836,
160.6266

8.4157, 13.5090,
26.0926

109.7636,
139.2005, 199.9516

4.4161, 7.7800,
16.6666

139.1048,
173.9960, 245.2220

1.9401, 3.9545,
9.8376

173.2579,
214.1547, 296.8564

0.6000, 1.6481,
5.1872

212.5881,

0.0000, 0.3897,

260.0608, 355.2733

2.2969

257.4608,
312.0988, 420.8913

■ 0.0000, 0.0000,
0.7295

■ 0.0000, 0.0000,
0.0000

■ 33.2096, 45.9613,
74.1389

■ 33.2096, 45.9613,
74.1389

■ 33.2092, 45.9603,
74.1396

■ 34.0036, 47.0593,
74.3099

■ 35.1756, 48.3603,
74.4992

■ 36.8489, 49.9287,
74.7138

■ 39.0921, 51.8001,
74.9567

■ 41.9631, 54.0042,
75.2309

■ 45.5126, 56.5672,
75.5385

■ 49.7860, 59.5126,
75.8818

■ 54.8249, 62.8618,
76.2627

■ 60.6675, 66.6347,
76.6829

Harmonies

Analogous

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



31.4623, 45.9613, 51.8762



33.2096, 45.9613, 74.1389



37.7343, 45.9613, 93.2157

Triad

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



33.2096, 45.9613, 74.1389



56.9100, 45.9613, 70.1383



43.0558, 45.9613, 20.3549

Complementary

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



33.2096, 45.9613, 74.1389



29.4652, 15.5626, 1.4525

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.



50.2303, 45.9613, 22.8114



33.2096, 45.9613, 74.1389



58.7223, 45.9613, 48.2555

Square

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



33.2096, 45.9613, 74.1389



51.4415, 45.9613, 90.5019



56.1593, 45.9613, 31.8328



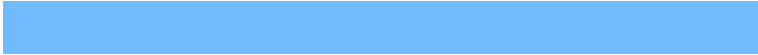
36.7499, 45.9613, 23.9005

Rectangle

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



33.2096, 45.9613, 74.1389



41.9718, 45.9613, 99.4497



56.1593, 45.9613, 31.8328



45.4438, 45.9613, 20.5071

Sweetspot

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



33.2111, 45.9630, 74.1400



70.0963, 83.8867, 107.1050



25.4442, 50.7087, 9.0319



14.4296, 17.5637, 22.8796



0.0000, 0.0000, 0.0000



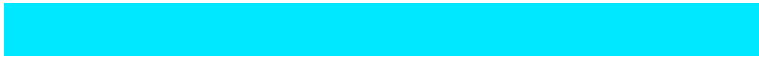
20.3446, 21.4041, 23.3091

Same Dimension

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



33.2111, 45.9630, 74.1400



46.8246, 64.7691, 104.6415



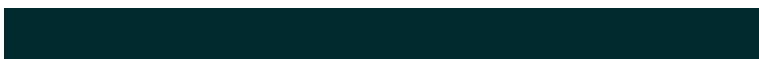
16.5523, 12.6455, 68.5871



13.3379, 14.6155, 16.7702



19.7338, 27.3371, 43.9749



1.3088, 1.8317, 2.8590

Inverse Universe

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



39.5235, 19.1851, 55.6544



55.7641, 27.0696, 78.4127



36.9038, 30.4397, 3.9320



13.5604, 13.2533, 16.2124



23.4561, 11.3835, 33.1112



1.5349, 0.7436, 2.2258

Previews

White Background



This preview shows how the XYZ color 33.2096, 45.9613, 74.1389 looks on a white background.

Color Contrast Check

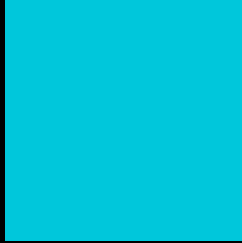
Large Text (above 18pt) WCAG AA × Fail

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 33.2096, 45.9613, 74.1389 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

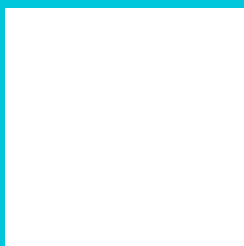
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 33.2096, 45.9613, 74.1389

Background



This preview shows how black text looks on a background with the XYZ color 33.2096, 45.9613, 74.1389.



This preview shows how white text looks on a background with the XYZ color 33.2096, 45.9613,

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

33.2096, 45.9613, 74.1389

Protanopia

44.6190, 45.3625, 64.1618

Deuteranopia

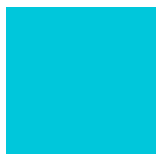
46.4354, 45.4312, 76.8427



Tritanopia

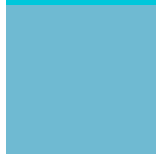
32.8181, 45.8047, 72.0772

Trichromacy



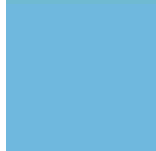
Original Color

33.2096, 45.9613, 74.1389



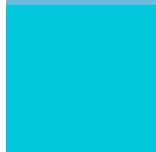
Protanomaly

35.7473, 43.1505, 67.4176



Deuteranomaly

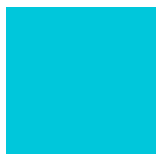
36.8809, 42.9344, 75.4506



Tritanomaly

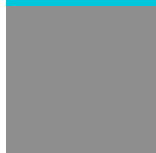
32.9478, 45.8566, 72.7603

Monochromacy



Original Color

33.2096, 45.9613, 74.1389



Achromatopsia

25.7108, 27.0498, 29.4572



Achromatomaly

24.5693, 31.2703, 42.7710

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.2096, 45.9613, 74.1389 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, 199, 219)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 219)  
}
```

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, 199, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 219) }
```

Border

The CSS property to change the border of an element to XYZ 33.2096, 45.9613, 74.1389 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, 199, 219) }
```


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

```
.border{ border-color:rgb(0, 199, 219) }
```

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

Here you see how a box with a 4 pixel rgb(0, 199, 219) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 219);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 33.2096, 45.9613, 74.1389 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 219) }
```

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

```
.background{ background-color: rgb(0, 199,  
219) }
```

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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